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SALARIES 1984

ANALYSIS OF THE AMERICAN CHEMICAL SOCIETY'S 1984 SURVEY OF SALARIES AND EMPLOYMENT

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INTRODUCTION AND ACKNOWLEDGMENT

This report presents detailed results of the 1984 Comprehensive Salary and Employment Status Survey. A summary of the 1984 findings was published in the July 2, 1984 issue of Chemical and Engineering News.

General oversight of the survey and its analysis was provided by the ACS Council Committee on Economic Status, headed by Dr. Attila Pavlath. The Committee expresses its gratitude to the more than 10,600 ACS members who provided an invaluable service to the profession by completing the survey questionnaire.

As a special project of the Committees on Economic and Professional Training, questions about the undergraduate education of chemists were included in this year's survey. Questions were developed in consultation with the respective chairmen of those committees, Dr. Gerhard Meisels and Dr. Henry Bent and the chairman of the Survey Subcommittee of the CES, Dr. Jack Kay.

A report based on the responses to these questions will be available at a later date.

Dr. Jack Kay and Dr. Terrence Russell wrote the summary and comment on the following pages. Terrence Russell, Sandy Schowgurow, and Nguyen Bailey of ACS Statistical Services prepared this report.

Bob Jones, Manager
Statistical Services

Summary and Comment

Dr. Jack G. Kay and Dr. Terrence Russell*

Employment and Unemployment

The overall unemployment rate among chemists has dropped from 2.2% in March, 1983 to 1.7% in 1984, still above the historic lows of 1979, 1980 and 1981 when the rate was around 1%. Each tenth of a percentage point represents approximately 90 ACS members in the U.S. work force.

Unemployment rates were not uniform for all chemists. Generally speaking, unemployment rates were higher for those who had the B.S. as the highest degree and were age 30 or younger (3.1% unemployed). Older chemists and those with the PhD were less likely to be unemployed.

While the level of unemployment fell, the percent of unemployed chemists experiencing long periods of unemployment increased. In 1983, 39.8% of those who were unemployed on March 1 were unemployed for 8 months or more. In 1984 44.1% had similar periods of unemployment. Differences in the duration of unemployment were most striking among geographic regions. In the east south-central states (Kentucky, Tennessee, Mississippi, and Alabama) 60% of those unemployed were out of work for eight months or more, while in New England and the Pacific coast states, the comparable figures were 14% and 23%.

Unemployment rates were higher for women chemists (2.6%) than for men (1.6%). Differences can be partially accounted for by the larger percentage of women in the sample who are under 35 (48.9% compared to 24.2% of the men) and hold the B.S. as the highest degree (37.2% compared to 23.9% of the men). Women chemists aged 35 and over had slightly lower unemployment rates than men in that age group (1.2% vs 1.4%), but much higher percentages of women in that group reported part-time employment (6.4% vs 1.6%).

Although a smaller percentage of both men and women held postdoctoral fellowships in 1984 than in 1983, a larger overall percentage of women held postdoctoral positions than did men (3.5% vs 2.8%). In the 25 to 30 age group the men's percentage was higher (10.4% vs 5.0%) but in the 30 to 35 age group, the women's percentage was higher (7.7% vs 4.7%), suggesting that these women PhDs are substituting longer postdoctoral fellowships for permanent emloyment.

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*Dr. Kay is professor and head of chemistry at Drexel University and is a member of the ACS Committee on Economic Status.

Dr. Russell is staff associate at the ACS Office of Statistical Services.

Increased full time employment for women chemists may signal a partial victory for affirmative action, but such is not the case for minority chemists, whose unemployment rate in 1984 was 3.2%, only slightly changed from 3.3% in 1983. Full time employment for minority chemists actually was down from its 1983 level (87.7% vs 88.8%). For minority women, the rate of full time employment was 82.9%, a slightly lower figure than for 1983 (84.4%). For minority men, it was down from 89.6% last year to 88.9% this year. More minority chemists held postdoctoral positions (8.3% this year vs 6.0% last year) while part-time employment for minorities dropped from 1.5% to 0.8%.

Recruiting

Reflecting the modest improvement in the employment picture, the recruitment of recent graduates also increased during the past year.

ACS's second spring survey of PhD granting departments conducted in April, 1984 indicated that the recruitment of new PhDs into permanent positions was up slightly from April 1983 (48.6% vs 46.7%) with slight drops in the percentages of those who accepted postdoctoral or temporary positions (38.3% vs 39.2%) or who were still seeking employment (13.1% vs 13.3%).

The College Placement Council's CPC Salary Survey issued July, 1984 showed an increase in the number of offers made during the 1983-84 academic year as compared to 1982-83. Chemical engineering graduates had 81% more offers (2,096 vs 1156) and offers to B.S. chemists increased 31.3% (198 vs 147). Among new PHDs, increases reported were 31.7% (282 vs 214) for chemists and 101% (163 vs 81) for chemical engineers.

Also encouraging is an increase in the volume of help wanted advertisements reported by Chemical and Engineering News. Comparing the second quarter of 1984 with that of 1983, C&EN showed a 77% increase, suggesting that the improving trend in employment captured in this survey in March, 1984 will continue.

Salaries

Median salaries reported in the survey reflect the modest gains of the 1983-1984 economic recovery. Although the March 1983-84 increase in the consumer price index was less than in recent years (somewhat under 5.0%) PhD chemists' overall median salaries increased approximately 5.5% (to $42,000) while master's and bachelor's degree chemists reported increases of 3% to $34,000 and $30,900 respectively. Overall, only PhD's increases represented an increase in constant dollars. Given these small increases, it is difficult to find dramatic differences in increase among geographic regions or employment sectors, although PhDs in industrial jobs fared slightly better than their academic colleagues with a 5.6% increase compared to 4.7% in academia. The median salary of all industrial PhDs was $47,200, that of all academic PhDs, $35,000, although large differences exist among chemists of varying seniority, academic rank and academic assignment (teaching, research or administration).

Salary differences between men and women shown in past editions of this survey report persist although the gap between salaries for men and women chemists is narrowing, especially for PhDs. Age-adjusted average industrial and government salaries for women PhDs is now 92% of those of men, while academic womens' age-adjusted average salary is 82% of that of men. Most of the difference represents differentials between managerial and administrative salaries on the one hand and research and teaching salaries on the other. As in earlier years, few women PhDs report managerial or administrative positions.

A final note. This edition of the ACS Salaries series presents a new arrangement of tables, increasing the number presenting information on academics and reorganizing the tables concerned with industrial chemists. If you have comments or suggestions to make concerning this format, please contact Terrence Russell at the ACS Office of Statistical Services.

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TECHNICAL NOTES

The target population of the 1984 Comprehensive Salary and Employment Status Survey was those ACS members who had U.S. mailing addresses, were not older than 70, and had neither student nor emeritus status. On January 31, 1984 the ACS membership totalled 125,395, of which approximately 88,000 were eligible for inclusion in the sample. A systematic sample of 22,000 was selected from the target population.

The survey questionnaires were mailed to this sample of 22,000 members by bulk mail during the week of February 20-24. By the May 15 cut-off date, 10,644 (48.4%) usable questionnaires had been returned.

The survey data were processed on the Alpha-Micro computer at the ACS Statistical Services. Computer programs for the processing were written by Harry Foxwell, Bob Jones, and Sandy Schowgurow.

Definitions

For the purposes of the survey analysis only, the following definitions were used:

Chemist:	a respondent who indicated a work specialty of chemistry or biochemistry (categories 2 through 12 of question A on the questionnaire).
Chemical Engineer:	a respondent who indicated a work specialty of chemical engineering (category 1 of question A on the questionnaire).
Unemployed:	a respondent who is unemployed and seeking employment (category 3 of question B on the questionnaire).

This report represents the respondents' principal annual salaries as of March 1, 1984. The respondent's age is given as of March 1, 1984. A respondent's state and geographic region refer to place of residence rather than place of employment.

Proportions

The proportion of people falling within a certain cell in one of the tables is a sample proportion. The sample proportion is used to make statements about the corresponding population proportion, but, of course, the sample proportion generally is not exactly equal to the population proportion. A useful estimate of the representiveness of the sample proportion is the confidence interval. Such an interval estimate is illustrated in the following statement: "We assert with 95% confidence that the population proportion is between 0.04 and 0.06." A simple but adequate formula for a confidence interval centered on the sample proportion is

$$p(\text{lower}) = \hat{p} - z[\hat{p}(1-\hat{p})/n]^{1/2}$$

$$\text{and } p(\text{upper}) = \hat{p} + z[\hat{p}(1-\hat{p})/n]^{1/2}$$

where $p(\text{lower})$ = lower boundary of the interval
$p(\text{upper})$ = upper boundary of the interval
$\hat{p}$ = the sample proportion
z = a function of the level of confidence and is found in a table of the standard normal distribution.
n = the sample size

Inspection of the formula shows that the width of the confidence interval is inversely proportional to the square root of the sample size, so that proportions derived from small samples are not as precise as ones drawn from large samples. Also, if non-respondents differ from respondents with regard to the characteristics under consideration, the formula will overstate precision because the formula is based on assumption of 100% response.

Suppose a confidence interval is required for a group containing 1900 sample members. If the sample contains 95 persons with a specific characteristic, then the numbers that go into the formula are p=95/1900=0.05 and n=1900. For a 95% confidence interval, z is about 2. Putting these numbers into the formula above we have

$$\begin{aligned} p(\text{lower}) &= \hat{p} - z[\hat{p}(1-\hat{p})/n]^{1/2} \\ &= 0.05 - 2[0.05((0.95)/1900]^{1/2} \\ &= 0.05 - 0.01 \\ &= 0.04 \end{aligned}$$

$$\begin{aligned} \text{and similarly, } p(\text{upper}) &= 0.05 + 0.01 \\ &= 0.06 \end{aligned}$$

Thus, a 95% confidence interval for p is from 4.0% to 6.0%. Although we cannot say that the population proportion is exactly 5.0%, we can be confident that it is between 4.0% and 6.0%. The 95% level of confidence means roughly that if this procedure were followed a large number of times using different samples of the same size, the population proportion would be within the calculated interval about 95% of the time.

Small Cell Counts

If the number of responses in a cell of a salary table is small, then the sample salary statistics for that cell may not accurately estimate the corresponding population salary statistics. In general, a cell containing fewer than 15 responses does not provide a useful estimate of the median salary, and a cell containing fewer than 25 responses does not provide a useful estimate of the 25th or the 75th salary percentile.

Percentiles

If a sample of size n is arranged in ascending order of magnitude, the jth percentile Pj, j= 1,2...or 99 is given by the (j(n+1)/100)th value. If (j(n+1)/100) is not an integer, then the jth percentile is a weighted average of the two values whose ranks are closest to (j(n+1)/100).

Discrepancies Among Tables

Some pairs of tables contain totals that should be identical but are not. For example, two tables that present information about PhD respondents should show the same total number of PhDs. They might, however, show different totals. To illustrate, if one table groups the PhDs according to specialty and the other groups them according to geographic region, the totals will differ unless the number who did not indicate their specialty is the same as the number who did not indicate their geographic region.

Comparing Salaries

Often questions arise concerning B.S. chemists' salaries as compared with M.S. chemists', or chemists' salaries as compared with chemical engineers'. These and similar comparisons require caution.

Statistical tests should be performed to determine whether observed differences in salaries of various sample groups could be mere chance occurrences resulting from peculiarities of the sample. Whether a difference in salaries is "statistically significant" depends not only on the magnitude of the difference but also on the sample size and the magnitudes of the sample standard deviations.

References for statistical tests of significance can be found in Numerical and Statistical Techniques, by J. H. Pollard, Handbook of Tables for Probability and Statistics, published by the Chemical Rubber Company, and other similar texts.

Non-Response to Geographic Region

Nearly eighteen percent of all respondents did not indicate their state of residence, the question on which analysis of geographic region was based. Tables which display respondents' geographic region will show a non-response rate of approximately eighteen percent, however analysis of respondents and non-respondents to this item show no other differences among the characteristics of these two groups.

GEOGRAPHIC REGIONS

PACIFIC

- Alaska
- California
- Hawaii
- Oregon
- Washington

MOUNTAIN

- Arizona
- Colorado
- Idaho
- Montana
- Nevada
- New Mexico
- Utah
- Wyoming

WEST NORTH CENTRAL

- Iowa
- Kansas
- Minnesota
- Missouri
- Nebraska
- North Dakota
- South Dakota

WEST SOUTH CENTRAL

- Arkansas
- Louisiana
- Oklahoma
- Texas

EAST NORTH CENTRAL

- Illinois
- Indiana
- Michigan
- Ohio
- Wisconsin

EAST SOUTH CENTRAL

- Alabama
- Kentucky
- Mississippi
- Tennessee

MIDDLE ATLANTIC

- New Jersey
- New York
- Pennsylvania

SOUTH ATLANTIC

- Delaware
- District of Columbia
- Florida
- Georgia
- Maryland
- North Carolina
- South Carolina
- Virginia
- West Virginia

NEW ENGLAND

- Connecticut
- Maine
- Massachusetts
- New Hampshire
- Rhode Island
- Vermont

Table 1.1.0

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC CHEMISTS
by DEGREE and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	26,020	30,000	35,000	44,756	51,450	54,800	62,320	63,400	70,000	87,600	68,280	52,000 - 90th %-ile
	23,800	26,000	30,000	38,000	41,625	47,000	55,000	52,500	50,375	60,000	47,700	40,800 - 75th %-ile
	20,200	23,000	26,000	32,500	36,550	38,640	42,500	45,000	40,000	47,000	37,350	31,000 - 50th %-ile
	17,000	20,000	22,896	27,000	30,853	32,520	35,000	36,100	33,625	35,000	33,500	24,370 - 25th %-ile
	14,400	16,800	20,000	23,000	25,320	27,000	29,440	30,000	27,352	28,000	25,700	20,000 - 25th %-ile
	20,472	23,177	26,912	33,242	37,824	40,284	45,139	45,404	44,248	50,610	41,550	34,279 - Mean
	4,819	5,165	6,196	8,291	11,543	11,634	14,018	13,326	16,920	20,021	12,806	13,890 - Std Dev
	67	283	403	243	170	127	131	191	108	75	10	1,808 - Count
Masters	---	33,600	36,000	45,000	54,232	60,000	58,200	71,600	71,400	79,020	70,600	56,000
	---	28,000	32,900	39,072	45,000	50,040	49,500	60,000	57,125	51,700	53,500	45,200
	---	25,900	28,800	33,400	39,000	43,000	43,000	45,000	48,000	46,000	41,900	36,000
	---	23,000	25,000	29,000	32,600	34,000	36,250	37,000	40,630	38,650	33,150	30,000
	---	20,000	21,452	25,944	28,000	27,680	28,960	32,000	30,300	25,400	27,310	25,000
	---	26,153	29,079	34,284	39,786	43,227	43,017	49,334	49,498	48,684	44,586	39,059
	---	5,289	5,811	7,946	10,964	12,568	11,118	16,773	14,719	19,026	16,027	13,538
	0	35	193	255	170	111	85	119	82	41	36	1,127
Doctorate	---	---	42,000	49,790	60,000	71,304	70,000	78,300	80,200	81,594	71,750	68,000
	---	---	38,680	45,000	52,000	60,000	60,350	65,000	68,000	69,000	60,825	56,000
	20,500	---	36,000	40,000	45,000	50,000	52,000	55,000	55,600	59,000	45,400	46,000
	---	---	33,600	36,263	39,000	43,000	45,000	45,000	47,400	49,500	36,000	38,988
	---	---	31,000	33,606	34,423	37,286	38,951	38,514	38,200	40,400	30,100	34,000
	20,500	---	36,183	41,004	46,179	52,458	53,117	56,309	57,924	59,614	48,953	48,798
	---	---	4,763	7,409	10,852	14,274	12,634	15,532	16,299	16,662	16,636	14,221
	1	0	260	440	498	417	298	286	167	143	60	2,570
TOTAL	26,010	30,015	39,000	48,000	58,030	67,760	66,650	72,300	75,000	80,000	70,000	62,187
	23,750	26,349	35,093	42,670	50,000	56,000	58,000	60,000	63,000	65,000	58,250	50,000
	20,294	23,295	30,000	36,636	41,000	47,180	48,342	50,000	50,000	52,000	43,000	40,000
	17,035	20,000	25,000	31,293	36,000	39,400	40,972	40,000	40,000	43,000	35,450	31,000
	14,450	16,990	21,270	26,200	30,204	32,000	32,776	34,000	30,940	32,000	28,440	24,000
	20,472	23,505	30,216	37,166	43,187	48,533	49,413	51,421	51,851	55,277	46,771	42,035
	4,783	5,254	6,983	8,588	11,602	14,493	13,486	15,876	17,185	18,643	16,191	15,432
	68	318	856	938	838	655	514	596	357	259	106	5,505

Table 1.1.1

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC CHEMISTS - MEN Only
by DEGREE and YEARS SINCE BS
1984 Survey of ACS Members

HIGHEST DEGREE	YEARS SINCE BS											
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	24,175	26,900	31,000	38,750	43,000	47,000	55,500	52,680	50,125	60,375	49,400	43,000 - 75th %-ile
	20,394	23,000	26,716	33,000	37,500	40,000	43,000	45,000	40,000	46,500	37,500	33,000 - 50th %-ile
	17,410	20,000	24,000	27,600	32,000	34,000	35,133	37,100	32,750	33,500	33,000	25,800 - 25th %-ile
	20,987	23,521	27,842	33,732	38,800	40,925	45,341	46,059	43,858	50,388	42,278	35,958 - Mean
	4,973	5,450	6,125	8,315	11,928	10,518	13,508	13,446	17,173	19,976	13,361	14,022 - Std Dev
	38	173	271	209	139	103	109	169	90	68	9	1,378 - Count
Masters	---	30,278	33,000	40,000	45,000	54,875	51,000	60,575	56,750	52,860	55,000	47,420
	---	25,900	29,760	34,000	39,000	45,000	44,000	47,210	48,000	47,450	47,000	38,000
	---	23,500	25,000	30,000	33,385	36,485	37,750	37,750	41,000	39,450	37,400	31,000
	---	27,010	29,699	35,239	40,430	45,625	44,236	50,486	49,613	49,907	48,763	40,553
	---	5,106	5,787	7,914	10,812	12,076	11,069	16,986	14,234	18,961	16,318	13,710
	0	25	143	202	139	92	70	106	76	34	24	911
Doctorate	---	---	38,560	45,000	52,000	60,100	61,000	65,000	69,210	66,000	63,000	57,000
	20,500	---	36,000	40,600	45,000	50,500	52,000	55,000	56,000	58,500	46,350	47,000
	---	---	33,800	36,500	39,000	43,400	45,000	45,896	47,750	49,621	37,425	39,475
	20,500	---	36,265	41,403	46,591	53,159	53,607	56,660	58,571	58,920	50,976	49,388
	---	---	4,424	7,282	10,810	14,124	12,658	15,328	16,390	16,216	16,201	14,161
	1	0	221	377	439	379	275	257	153	128	52	2,282
TOTAL	24,000	27,200	36,000	43,000	50,000	57,395	59,000	60,000	63,000	65,000	60,150	51,500
	20,400	23,700	31,000	37,450	42,000	48,000	49,675	50,000	50,000	52,250	46,000	41,220
	17,500	20,577	26,000	32,000	36,300	40,145	42,000	41,000	40,000	43,000	37,150	33,000
	20,975	23,961	31,192	37,788	43,886	49,756	50,178	52,062	52,286	55,065	49,430	43,578
	4,907	5,519	6,674	8,479	11,544	14,102	13,315	15,803	17,307	18,252	16,011	15,262
	39	198	635	788	717	574	454	532	319	230	85	4,571

Table 1.1.2

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC CHEMISTS - WOMEN Only
by DEGREE and YEARS SINCE BS
1984 Survey of ACS Members

HIGHEST DEGREE	YEARS SINCE BS											
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	22,520	25,500	29,000	32,875	39,200	39,875	46,000	45,750	47,420	85,750	---	31,000 - 75th %-ile
	20,000	22,200	24,500	28,500	33,500	33,221	36,000	37,500	40,000	54,500	---	25,428 - 50th %-ile
	16,750	19,824	21,000	25,552	28,307	28,575	31,500	30,300	33,198	44,250	---	21,025 - 25th %-ile
	19,797	22,517	25,115	28,997	32,496	36,524	38,639	38,122	41,492	61,500	---	27,469 - Mean
	4,608	4,630	5,786	5,180	7,293	14,418	9,134	10,266	13,584	23,274	---	10,050 - Std Dev
	29	107	123	29	24	22	15	18	13	4	0	384 - Count
Masters	---	27,475	31,250	32,075	41,100	37,000	40,972	41,880	56,000	48,000	42,000	35,000
	---	25,720	27,000	30,000	34,000	29,000	35,000	39,500	27,872	30,200	34,000	30,000
	---	20,349	22,900	26,375	27,200	25,250	26,000	32,000	19,356	24,000	28,500	25,400
	---	24,011	27,188	29,544	36,446	30,602	33,476	38,839	34,409	34,840	36,982	31,140
	---	5,387	5,422	5,190	12,539	7,162	7,762	10,659	19,177	12,379	12,396	9,105
	0	10	46	46	25	17	11	11	3	5	11	185
Doctorate	---	---	38,200	44,000	47,675	47,000	50,699	62,500	52,519	72,642	39,000	45,000
	---	---	35,400	38,000	40,500	36,000	43,000	44,207	41,250	61,900	31,400	38,562
	---	---	32,000	35,000	36,850	31,415	30,964	32,500	34,500	47,769	27,000	33,441
	---	---	35,370	38,019	41,636	37,383	41,481	48,606	45,754	60,544	33,629	40,034
	---	---	6,313	7,904	10,155	10,958	12,538	18,647	17,730	15,348	13,428	11,686
	0	0	35	55	46	19	9	17	6	5	7	199
TOTAL	22,520	25,800	31,000	37,888	43,000	40,000	43,000	48,250	47,210	62,082	40,500	37,066
	20,000	22,500	27,000	32,400	39,000	33,000	36,000	40,000	40,000	50,500	33,800	30,000
	16,750	19,912	22,350	27,180	30,800	27,750	29,928	32,000	32,849	37,550	27,000	24,000
	19,797	22,645	27,342	33,007	37,961	35,070	37,747	42,168	41,688	51,637	35,678	31,609
	4,608	4,692	6,887	7,744	10,834	11,724	9,950	14,615	15,087	20,337	12,524	11,516
	29	117	204	130	95	58	35	46	22	14	18	768

Table 1.2.1

SALARIES OF FULL-TIME EMPLOYED NON-ACADEMIC B.S. CHEMISTS
according to YEARS SINCE B.S. and EMPLOYER TYPE
1984 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER TYPE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Industry	24,300	26,349	30,555	38,000	43,250	48,000	56,500	54,000	51,750	61,625	51,100	42,000 - 75th %-ile
	20,800	23,500	27,000	33,000	38,000	39,000	45,000	45,000	40,685	48,000	41,750	32,000 - 50th %-ile
	18,119	20,175	23,000	27,575	32,000	33,000	37,200	37,000	35,000	35,750	34,250	25,000 - 25th %-ile
	21,451	23,662	27,573	33,710	39,057	40,857	46,428	46,565	45,718	51,813	44,163	35,125 - Mean
	4,431	5,007	6,315	8,449	11,947	10,782	12,902	13,399	17,079	20,198	12,697	14,089 - Std Dev
	56	238	331	190	138	95	105	163	96	62	8	1,482 - Count
Government	18,535	23,700	26,450	35,000	35,475	43,150	41,075	44,460	36,750	51,375	---	36,490
	16,069	19,500	24,000	30,000	29,136	37,000	35,265	41,250	29,000	43,500	31,100	28,750
	14,250	14,975	20,000	25,453	25,475	30,000	29,500	30,199	27,687	30,500	---	23,000
	16,285	19,791	23,837	30,844	30,448	36,711	35,653	38,964	33,425	40,336	31,100	30,350
	2,234	5,133	4,818	7,017	5,954	8,491	8,299	10,255	9,097	12,552	8,627	9,774
	4	22	44	38	20	25	21	18	9	10	2	213
Other	18,800	23,775	26,537	42,000	39,450	70,000	90,000	47,500	45,000	95,000	---	35,000
Non-profit,	14,500	21,200	24,000	32,000	35,800	43,000	51,000	39,830	24,000	50,000	---	26,000
Self-employed	11,400	16,640	21,250	26,200	28,808	23,634	29,250	30,750	20,000	35,000	---	21,100
	15,029	21,395	23,928	33,397	35,938	45,276	57,900	38,066	29,667	60,000	---	30,580
	4,221	5,422	4,151	8,701	9,290	25,404	31,536	12,301	13,429	31,225	---	15,949
	7	23	28	15	12	7	5	10	3	3	0	113
TOTAL	23,800	26,000	30,000	38,000	41,625	47,000	55,000	52,500	50,375	60,000	47,700	40,800
	20,200	23,000	26,000	32,500	36,550	38,640	42,500	45,000	40,000	47,000	37,350	31,000
	17,000	20,000	22,896	27,000	30,853	32,520	35,000	36,100	33,625	35,000	33,500	24,370
	20,472	23,177	26,912	33,242	37,824	40,284	45,139	45,404	44,248	50,610	41,550	34,279
	4,819	5,165	6,196	8,291	11,543	11,634	14,018	13,326	16,920	20,021	12,806	13,890
	67	283	403	243	170	127	131	191	108	75	10	1,808

Table 1.2.2

SALARIES OF FULL-TIME EMPLOYED NON-ACADEMIC M.S. CHEMISTS
according to YEARS SINCE B.S. and EMPLOYER TYPE
1984 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER TYPE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Industry	---	28,000	33,000	40,000	45,000	55,000	51,250	60,000	56,000	51,550	54,250	46,000 - 75th %-ile
	---	25,950	30,000	34,000	39,100	45,000	44,000	47,500	47,520	45,950	42,000	37,000 - 50th %-ile
	---	24,750	26,000	30,000	33,600	36,500	38,000	37,000	41,000	39,825	33,700	30,200 - 25th %-ile
	---	26,263	29,633	35,090	40,541	45,797	45,076	50,827	49,962	50,647	45,659	39,931 - Mean
	---	3,602	5,659	7,293	10,473	12,393	10,905	16,916	14,675	19,772	16,013	13,579 - Std Dev
	0	30	169	198	140	87	62	97	63	30	32	908 - Count
Government	---	---	28,000	33,625	37,575	39,000	43,993	49,999	53,000	64,067	---	40,000
	---	30,483	24,400	29,778	32,080	32,134	38,134	39,500	45,999	46,000	17,000	32,257
	---	---	20,750	26,375	26,875	26,500	27,745	35,500	30,000	21,500	---	26,000
	---	30,483	24,885	29,823	32,837	34,099	36,781	42,667	42,185	43,427	17,000	33,910
	---	13,460	5,214	7,029	9,967	8,347	9,425	12,500	13,242	22,212	---	11,145
	0	2	13	34	20	19	16	12	12	5	1	134
Other	---	36,000	27,700	40,000	48,625	39,000	50,000	60,050	72,000	52,250	54,000	45,750
Non-profit,	---	18,500	25,000	32,000	41,190	36,000	42,700	43,150	63,000	44,750	40,000	37,000
Self-employed	---	12,000	22,000	26,000	36,000	26,000	24,000	34,000	48,000	33,250	33,000	26,250
	---	22,167	25,518	33,943	43,108	33,200	39,029	42,850	57,857	43,250	42,333	37,861
	---	12,413	5,971	11,912	14,995	7,950	11,554	17,756	13,680	12,156	10,693	14,734
	0	3	11	23	10	5	7	10	7	6	3	85
TOTAL	---	28,000	32,900	39,072	45,000	50,040	49,500	60,000	57,125	51,700	53,500	45,200
	---	25,900	28,800	33,400	39,000	43,000	43,000	45,000	48,000	46,000	41,900	36,000
	---	23,000	25,000	29,000	32,600	34,000	36,250	37,000	40,630	38,650	33,150	30,000
	---	26,153	29,079	34,284	39,786	43,227	43,017	49,334	49,498	48,684	44,586	39,059
	---	5,289	5,811	7,946	10,964	12,568	11,118	16,773	14,719	19,026	16,027	13,538
	0	35	193	255	170	111	85	119	82	41	36	1,127

Table 1.2.3

SALARIES OF FULL-TIME EMPLOYED NON-ACADEMIC PH.D. CHEMISTS
according to YEARS SINCE B.S. and EMPLOYER TYPE
1984 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER TYPE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Industry	---	---	38,825	45,000	52,575	62,000	63,150	67,250	70,277	75,000	63,000	58,000 - 75th %-ile
	20,500	---	36,350	41,000	46,000	52,000	55,000	57,000	60,000	59,000	45,400	47,250 - 50th %-ile
	---	---	34,000	36,800	40,000	45,850	46,810	48,218	49,850	50,000	36,000	40,000 - 25th %-ile
	20,500	---	36,756	41,658	47,448	54,834	55,807	58,409	61,511	61,707	49,290	49,976 - Mean
	---	---	4,391	6,893	10,794	13,495	12,015	15,641	15,523	17,755	17,394	14,286 - Std Dev
	1	0	230	373	405	321	225	218	120	97	50	2,040 - Count
Government	---	---	34,200	40,000	45,000	48,750	51,250	57,000	57,875	60,250	60,000	51,000
	---	---	31,208	38,562	40,000	42,175	45,000	50,000	50,000	51,500	47,000	43,000
	---	---	29,190	32,500	36,152	36,250	39,514	44,000	38,100	47,000	40,000	37,000
	---	---	31,240	37,679	40,934	42,839	45,130	50,212	48,216	52,056	51,500	44,190
	---	---	5,224	6,443	8,038	10,476	10,503	9,754	11,397	10,801	12,434	10,958
	0	0	22	31	55	65	58	47	32	30	7	347
Other	---	---	35,825	44,725	48,050	51,800	55,000	56,500	57,000	64,750	46,200	52,000
Non-profit,	---	---	34,550	38,150	42,000	45,000	45,000	50,000	50,000	60,000	35,000	43,000
Self-employed	---	---	29,000	32,160	32,275	36,000	38,000	32,750	37,000	52,900	31,000	34,000
	---	---	33,300	37,089	40,244	48,026	43,640	48,148	49,933	61,100	37,400	44,394
	---	---	5,435	10,860	10,988	19,171	12,274	18,959	20,500	15,492	7,879	16,253
	0	0	8	36	38	31	15	21	15	16	3	183
TOTAL	---	---	38,680	45,000	52,000	60,000	60,350	65,000	68,000	69,000	60,825	56,000
	20,500	---	36,000	40,000	45,000	50,000	52,000	55,000	55,600	59,000	45,400	46,000
	---	---	33,600	36,263	39,000	43,000	45,000	45,000	47,400	49,500	36,000	38,988
	20,500	---	36,183	41,004	46,179	52,458	53,117	56,309	57,924	59,614	48,953	48,798
	---	---	4,763	7,409	10,852	14,274	12,634	15,532	16,299	16,662	16,636	14,221
	1	0	260	440	498	417	298	286	167	143	60	2,570

Table 1.3.1

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC B.S. CHEMISTS
by SELECTED STATES and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
STATES	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
CALIFORNIA	---	26,475	33,000	40,000	50,000	45,250	52,000	60,675	40,000	87,000	47,700	41,000	- 75th %-ile
	33,000	22,280	28,000	38,000	36,500	39,620	40,000	44,640	35,000	32,000	37,350	32,000	- 50th %-ile
	---	20,750	24,000	30,000	31,500	30,000	40,000	35,119	24,000	29,220	33,500	26,000	- 25th %-ile
	33,000	23,319	28,929	36,374	40,436	40,096	47,143	47,996	33,000	49,407	41,550	35,518	- Mean
	---	4,016	7,062	8,432	14,536	14,267	15,604	16,160	8,185	32,586	12,806	13,856	- Std Dev
	1	22	35	17	11	18	7	14	3	3	10	141	- Count
TEXAS	32,000	30,788	29,350	41,000	42,970	65,000	52,500	63,875	67,875	---	---	44,500	
	23,800	26,100	26,000	31,968	35,000	46,000	44,000	52,500	58,250	71,000	---	32,000	
	21,000	23,625	23,250	24,100	28,204	32,220	29,500	38,500	36,500	---	---	25,173	
	25,600	26,879	27,594	33,312	37,018	47,327	41,600	52,835	54,000	71,000	---	37,013	
	5,717	4,537	6,284	10,121	9,591	15,328	12,260	16,653	19,685	---	---	15,253	
	3	12	25	8	10	7	5	12	6	1	0	89	
ILLINOIS	19,400	27,025	32,750	39,500	40,250	41,750	61,500	49,500	88,500	85,000	---	40,500	
	18,500	23,250	27,312	35,000	36,000	36,500	47,200	42,000	54,250	62,000	---	31,000	
	16,375	20,075	22,900	28,500	28,875	33,485	33,250	34,000	31,775	44,000	---	24,000	
	17,950	23,948	28,870	35,430	39,760	37,245	47,413	42,151	58,275	64,000	---	35,934	
	1,984	5,191	8,622	10,515	19,911	4,356	13,741	11,158	29,621	25,140	---	17,485	
	6	18	25	20	10	4	8	9	8	5	0	113	
MICHIGAN	23,550	28,060	30,420	34,000	45,500	39,250	45,200	50,000	44,500	59,600	---	36,465	
	21,000	26,000	28,200	32,000	37,890	37,500	42,350	32,000	35,500	50,000	---	30,210	
	18,375	23,688	25,200	30,400	31,700	35,325	36,000	28,000	29,350	24,600	---	25,959	
	20,975	26,036	28,986	32,811	39,097	37,217	40,687	36,667	36,640	44,733	---	32,248	
	2,817	2,942	6,287	4,049	8,219	2,363	6,046	11,719	10,167	18,085	---	8,619	
	4	12	27	9	6	6	7	3	5	3	0	82	
OHIO	---	26,655	30,000	48,125	53,500	42,750	48,500	46,525	42,000	---	---	41,300	
	20,400	24,000	25,040	35,650	43,000	32,520	42,050	43,600	33,800	45,000	---	30,000	
	---	21,600	22,500	24,583	33,350	24,140	36,000	39,520	30,500	---	---	24,000	
	20,400	23,999	26,517	37,381	43,340	32,660	40,885	41,158	36,178	45,000	---	32,344	
	---	3,911	6,050	13,545	11,137	10,984	8,243	8,381	7,767	12,728	---	10,453	
	1	18	28	8	5	9	10	8	12	2	0	101	
NEW JERSEY	25,500	26,000	30,000	41,250	40,000	49,100	66,500	57,000	90,000	47,000	---	42,000	
	22,000	22,000	27,300	32,750	35,000	38,500	48,000	42,200	43,500	43,200	---	31,000	
	18,500	20,000	23,000	27,800	31,000	35,000	40,500	30,800	27,150	30,000	---	24,250	
	22,020	24,139	26,683	33,544	36,438	43,014	54,506	42,177	52,564	39,600	---	34,739	
	3,119	7,418	4,760	7,610	5,623	11,607	18,489	14,726	30,926	9,102	---	14,888	
	7	19	29	16	11	11	9	13	7	7	0	129	
NEW YORK	27,575	28,500	33,500	41,850	48,500	58,000	60,175	58,350	60,000	61,500	---	46,850	
	23,100	22,500	27,000	32,800	40,100	45,000	48,500	43,500	50,500	50,000	---	35,000	
	18,850	17,000	23,750	31,250	38,500	27,150	37,200	35,500	35,000	28,400	---	27,150	
	23,175	22,861	28,116	35,511	41,400	42,877	48,625	47,331	49,514	46,633	---	37,742	
	4,507	7,088	6,310	6,991	11,552	14,668	12,594	14,161	14,982	16,805	---	14,430	
	4	11	17	9	9	13	4	16	7	3	0	93	
PENNSYLVANIA	20,150	26,020	29,000	36,000	37,500	47,000	49,750	52,500	47,500	60,000	---	40,000	
	19,450	24,000	24,700	33,146	36,000	33,000	41,000	45,000	40,000	43,000	---	31,200	
	16,500	16,700	21,658	27,300	34,750	31,000	36,333	34,000	36,250	35,000	---	24,528	
	18,700	22,584	24,873	33,837	37,937	37,143	42,734	43,250	40,650	43,571	---	33,220	
	2,080	5,757	4,848	8,652	5,639	8,707	10,372	12,884	6,762	12,972	---	11,716	
	4	21	27	16	13	7	9	19	8	7	0	131	
OTHER	23,470	25,000	29,500	37,000	41,500	47,795	56,750	51,500	49,500	62,375	---	40,000	
	19,000	22,100	25,550	31,250	36,480	38,320	42,500	45,000	40,185	48,500	---	30,000	
	15,875	19,000	22,063	26,040	30,000	34,000	33,250	37,350	34,000	36,885	---	24,000	
	19,680	22,425	26,173	32,089	36,839	40,506	44,897	45,569	42,932	52,506	---	33,755	
	5,096	4,911	5,862	7,699	11,715	10,427	14,972	12,674	13,627	21,152	---	13,975	
	37	150	190	140	95	52	72	97	52	44	0	929	
TOTAL	23,800	26,000	30,000	38,000	41,625	47,000	55,000	52,500	50,375	60,000	47,700	40,800	
	20,200	23,000	26,000	32,500	36,550	38,640	42,500	45,000	40,000	47,000	37,350	31,000	
	17,000	20,000	22,896	27,000	30,853	32,520	35,000	36,100	33,625	35,000	33,500	24,370	
	20,472	23,177	26,912	33,242	37,824	40,284	45,139	45,404	44,248	50,610	41,550	34,279	
	4,819	5,165	6,196	8,291	11,543	11,634	14,018	13,326	16,920	20,021	12,806	13,890	
	67	283	403	243	170	127	131	191	108	75	10	1,808	

Table 1.3.2

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC M.S. CHEMISTS
by SELECTED STATES and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS												
STATES	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
CALIFORNIA	---	---	35,400	40,000	50,000	48,500	49,162	66,000	68,000	55,440	78,000	47,793	- 75th %-ile
	---	24,500	33,000	34,152	33,330	36,000	40,000	51,000	54,000	50,000	54,000	35,000	- 50th %-ile
	---	---	30,000	29,400	30,000	29,250	30,800	32,604	38,675	34,000	50,000	30,000	- 25th %-ile
	---	24,500	32,237	36,968	39,011	38,300	39,985	49,868	53,470	46,480	60,667	39,025	- Mean
	---	707	5,320	10,876	14,145	11,584	9,239	16,727	17,786	11,145	15,144	13,043	- Std Dev
	0	2	19	17	14	5	5	3	5	3	3	76	- Count
TEXAS	---	---	34,013	43,200	52,375	61,000	47,100	65,300	70,000	---	55,000	48,000	
	---	28,000	30,000	36,000	41,100	35,000	41,200	49,000	46,500	---	48,000	40,000	
	---	---	28,890	32,278	26,850	31,000	34,235	38,500	38,250	---	37,200	32,990	
	---	28,000	30,935	35,856	43,032	42,333	40,845	52,511	52,333	---	49,982	43,208	
	---	---	2,466	9,177	20,112	16,289	6,678	17,469	19,633	---	18,027	16,244	
	0	1	6	15	10	3	4	9	6	0	11	65	
ILLINOIS	---	---	34,000	36,250	46,250	52,000	69,600	71,375	72,000	---	51,400	45,500	
	---	20,000	27,750	32,250	40,000	45,000	43,250	39,800	54,000	75,100	36,000	36,480	
	---	---	25,625	30,000	34,500	31,500	40,972	33,650	29,000	---	27,000	30,500	
	---	20,000	30,063	33,790	41,431	42,027	51,274	48,275	51,667	75,100	38,560	39,800	
	---	---	6,987	6,117	7,890	10,832	15,912	22,474	21,595	---	14,065	13,338	
	0	1	8	12	13	7	3	4	3	1	5	57	
MICHIGAN	---	---	35,000	38,400	41,875	41,500	64,000	47,500	70,000	---	---	41,125	
	---	26,450	31,500	34,000	37,000	32,076	45,000	38,825	57,500	35,950	---	34,800	
	---	---	30,300	28,000	33,650	29,160	28,250	35,000	36,000	---	---	30,150	
	---	26,450	32,178	34,963	37,850	34,350	45,750	40,942	54,500	35,950	---	36,869	
	---	354	4,500	8,480	4,843	5,500	18,679	7,011	17,197	15,486	---	10,055	
	0	2	9	19	6	7	4	6	3	2	0	58	
OHIO	---	---	30,000	37,500	44,875	59,240	44,500	47,750	54,000	100,000	---	45,000	
	---	25,550	26,910	32,600	39,000	50,730	42,700	44,500	37,920	52,000	25,000	37,620	
	---	---	24,025	27,625	32,250	37,600	37,000	42,350	31,500	50,000	---	28,450	
	---	25,550	27,478	33,594	38,650	49,190	41,140	45,548	41,140	67,333	25,000	38,531	
	---	495	4,618	6,810	10,777	11,433	3,930	4,989	11,590	28,308	---	12,930	
	0	2	12	10	12	4	5	10	3	3	1	62	
NEW JERSEY	---	25,000	33,325	43,450	60,250	55,000	53,500	70,000	52,000	50,000	51,750	50,000	
	---	25,000	27,750	36,975	44,000	49,500	43,000	48,600	46,000	50,000	37,000	39,450	
	---	23,000	25,650	29,900	36,300	44,500	35,500	34,100	42,100	40,500	29,375	30,400	
	---	24,500	28,316	37,741	47,331	52,756	45,522	48,846	47,729	48,063	39,375	41,357	
	---	1,323	5,821	8,733	14,326	15,160	12,126	21,331	8,891	12,588	11,884	14,479	
	0	3	20	26	13	9	9	13	7	8	4	112	
NEW YORK	---	---	34,200	38,500	42,700	57,000	48,975	60,000	54,000	93,300	---	45,000	
	---	---	27,000	33,150	40,000	49,700	42,450	50,200	42,310	45,000	40,000	38,000	
	---	---	22,900	29,250	33,500	45,000	41,025	41,250	40,000	30,000	---	30,000	
	---	---	28,037	33,206	39,300	51,171	44,150	50,611	47,437	58,320	40,000	39,887	
	---	---	5,842	5,567	8,239	7,231	4,655	10,855	13,877	33,130	---	14,009	
	0	0	18	16	17	7	4	9	6	5	1	83	
PENNSYLVANIA	---	30,555	32,200	39,500	45,000	47,000	---	63,800	55,075	---	72,000	42,000	
	---	26,000	30,000	33,500	39,000	37,400	43,000	53,750	50,150	---	34,000	33,100	
	---	25,000	25,400	30,000	34,000	32,000	---	32,000	33,750	---	30,000	29,750	
	---	28,428	28,970	34,274	38,771	39,117	43,000	50,213	46,325	---	45,333	36,445	
	---	5,899	5,593	6,800	8,006	6,661	1,414	16,327	12,004	---	23,180	11,332	
	0	7	17	19	7	7	2	8	4	0	3	74	
OTHER	---	30,500	31,195	37,000	42,475	50,010	51,000	58,500	57,450	49,700	49,000	45,000	
	---	26,500	27,900	32,000	38,250	43,500	43,000	45,000	48,000	41,000	40,000	36,000	
	---	20,983	25,000	28,000	32,000	33,000	35,000	36,750	40,960	39,300	34,250	29,000	
	---	25,992	28,462	33,113	38,497	42,605	42,414	50,213	49,589	43,763	40,250	38,535	
	---	6,351	6,094	7,620	9,486	13,046	11,774	18,522	15,210	14,685	12,245	13,574	
	0	17	84	121	78	62	49	57	45	19	8	540	
TOTAL	---	28,000	32,900	39,072	45,000	50,040	49,500	60,000	57,125	51,700	53,500	45,200	
	---	25,900	28,800	33,400	39,000	43,000	43,000	45,000	48,000	46,000	41,900	36,000	
	---	23,000	25,000	29,000	32,600	34,000	36,250	37,000	40,630	38,650	33,150	30,000	
	---	26,153	29,079	34,284	39,786	43,227	43,017	49,334	49,498	48,684	44,586	39,059	
	---	5,289	5,811	7,946	10,964	12,568	11,118	16,773	14,719	19,026	16,027	13,538	
	0	35	193	255	170	111	85	119	82	41	36	1,127	

Table 1.3.3

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC Ph.D. CHEMISTS
by SELECTED STATES and YEARS SINCE BS
1984 Survey of ACS Members

STATES	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
CALIFORNIA	---	---	42,000	48,000	60,000	65,000	67,650	70,425	60,000	70,750	80,250	60,000	- 75th %-ile
	---	---	35,760	43,500	49,000	51,900	53,500	56,500	50,000	60,000	70,750	48,000	- 50th %-ile
	---	---	33,000	39,150	43,000	46,875	48,800	50,000	36,679	37,500	49,050	41,000	- 25th %-ile
	---	---	37,227	43,263	51,348	55,615	57,906	58,750	50,743	54,729	67,783	50,456	- Mean
	---	---	5,239	7,218	10,990	13,203	12,481	14,194	15,279	18,190	17,356	13,883	- Std Dev
	0	0	23	36	35	18	17	18	13	13	6	179	- Count
TEXAS	---	---	43,875	50,000	54,000	63,750	63,875	60,000	---	100,000	---	58,250	
	---	---	38,000	42,988	45,000	52,300	56,000	46,000	---	100,000	98,000	48,000	
	---	---	34,225	37,325	40,200	46,710	46,900	40,000	---	55,500	---	40,150	
	---	---	39,275	43,854	47,357	54,798	57,724	49,955	---	85,167	98,000	50,688	
	---	---	6,751	8,871	7,504	10,965	14,442	11,015	---	25,692	---	14,321	
	0	0	8	20	23	12	16	11	0	3	1	94	
ILLINOIS	---	---	37,900	41,750	51,250	53,000	67,000	67,500	52,450	60,675	45,750	51,250	
	20,500	---	36,400	39,400	44,750	50,292	57,240	50,250	50,400	47,450	40,000	42,266	
	---	---	33,200	35,000	38,066	43,094	45,950	43,302	18,125	38,800	29,300	36,875	
	20,500	---	34,949	39,141	46,661	52,045	55,749	55,130	40,325	48,650	39,031	45,295	
	---	---	3,914	5,518	12,903	13,958	12,266	16,946	21,920	11,795	13,442	13,797	
	1	0	13	22	26	18	9	12	4	8	13	126	
MICHIGAN	---	---	40,000	42,400	52,013	66,925	54,000	77,000	85,750	84,114	69,688	58,000	
	---	---	35,000	39,800	49,060	55,000	50,500	56,500	70,000	61,750	36,000	46,000	
	---	---	34,000	35,725	40,000	45,855	45,600	50,049	51,750	47,805	31,000	39,240	
	---	---	35,688	39,437	48,214	56,430	51,620	61,780	69,667	66,754	47,475	50,491	
	---	---	3,945	4,485	8,623	12,158	10,504	18,279	20,393	21,398	20,915	16,323	
	0	0	19	20	18	14	15	16	6	10	5	123	
OHIO	---	---	36,750	43,200	48,279	63,250	50,000	63,500	74,000	79,800	64,000	53,250	
	---	---	35,900	39,000	42,500	52,000	46,000	55,000	55,000	74,800	36,000	45,000	
	---	---	33,288	35,800	39,330	45,060	44,567	40,436	41,000	56,975	35,600	37,625	
	---	---	36,022	38,408	43,167	54,358	47,270	54,621	57,482	70,525	45,200	47,242	
	---	---	3,877	6,046	8,652	15,295	7,013	13,327	19,924	12,780	16,283	13,841	
	0	0	16	25	32	33	15	13	11	4	3	152	
NEW JERSEY	---	---	38,000	47,750	55,250	64,500	63,250	70,375	78,000	78,500	64,500	60,000	
	---	---	36,550	44,240	49,500	52,000	58,875	59,950	65,600	60,000	51,000	50,000	
	---	---	35,075	40,000	39,750	47,500	49,250	52,275	43,025	52,000	42,400	42,000	
	---	---	36,916	44,696	49,870	57,190	57,787	60,985	59,942	65,173	52,960	52,582	
	---	---	5,771	8,458	13,302	15,239	12,263	16,520	19,924	14,798	11,411	15,145	
	0	0	22	52	34	41	25	34	7	15	5	235	
NEW YORK	---	---	41,350	45,233	51,250	60,500	69,500	69,075	68,000	59,000	47,950	56,000	
	---	---	36,000	38,200	42,500	52,500	55,000	55,500	56,000	55,000	38,250	45,000	
	---	---	33,200	34,525	39,450	40,375	48,500	38,140	40,000	49,000	35,375	37,750	
	---	---	37,186	38,976	45,374	51,567	57,214	54,009	55,338	49,143	40,525	47,691	
	---	---	4,662	7,438	9,531	12,327	15,004	18,397	15,260	15,614	7,036	13,918	
	0	0	25	30	34	30	28	22	13	7	4	193	
PENNSYLVANIA	---	---	37,279	44,250	53,875	61,500	67,500	56,000	50,000	64,750	63,000	57,100	
	---	---	36,300	39,900	45,900	55,000	58,000	51,150	47,400	59,500	61,000	47,000	
	---	---	33,650	36,750	40,016	44,950	39,382	40,600	42,000	50,250	33,600	38,820	
	---	---	35,570	41,838	46,662	55,919	55,005	48,803	52,703	58,662	52,533	49,085	
	---	---	4,065	7,635	11,144	13,893	16,008	10,810	18,048	14,696	16,427	13,969	
	0	0	17	26	36	28	17	16	15	16	3	174	
OTHER	---	---	38,450	44,000	51,150	59,000	59,000	64,000	69,440	66,000	59,000	55,435	
	---	---	36,000	40,000	43,850	48,500	50,000	54,000	58,250	55,538	45,550	45,150	
	---	---	33,000	36,000	38,000	41,184	43,525	45,000	50,000	49,000	38,800	38,562	
	---	---	35,742	40,267	45,117	50,395	50,987	56,212	59,923	59,086	48,380	48,233	
	---	---	4,720	7,128	10,785	14,396	11,762	15,215	14,508	15,224	12,332	13,882	
	0	0	117	209	260	223	156	144	98	67	20	1,294	
TOTAL	---	---	38,680	45,000	52,000	60,000	60,350	65,000	68,000	69,000	60,825	56,000	
	20,500	---	36,000	40,000	45,000	50,000	52,000	55,000	55,600	59,000	45,400	46,000	
	---	---	33,600	36,263	39,000	43,000	45,000	45,000	47,400	49,500	36,000	38,988	
	20,500	---	36,183	41,004	46,179	52,458	53,117	56,309	57,924	59,614	48,953	48,798	
	---	---	4,763	7,409	10,852	14,274	12,634	15,532	16,299	16,662	16,636	14,221	
	1	0	260	440	498	417	298	236	167	143	60	2,570	

Table I.4.1

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC B.S. CHEMISTS
by ACS LOCAL SECTION and YEARS SINCE BS
1984 Survey of ACS Members

LOCAL SECTION	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
So. California	---	27,125	29,000	33,500	52,000	45,840	76,500	65,600	46,000	---	57,100	42,000	- 75th %-ile
	25,500	22,932	26,000	28,800	35,400	41,000	49,500	42,000	40,000	87,000	46,000	31,000	- 50th %-ile
	---	17,600	25,450	24,950	28,250	30,656	30,750	35,580	24,000	---	34,150	25,060	- 25th %-ile
	25,500	22,676	26,164	29,033	37,967	38,997	52,250	51,095	36,667	87,000	46,167	35,734	- Mean
	10,607	4,859	5,710	5,995	14,386	8,195	24,663	17,067	11,372	---	15,103	16,279	- Std Dev
	2	10	17	6	6	6	4	9	3	1	6	70	- Count
California	---	26,650	35,500	40,000	42,500	45,750	45,000	49,850	70,000	42,000	36,875	40,370	
	24,000	22,000	30,000	39,000	36,500	39,120	42,000	45,000	40,370	32,000	34,500	32,400	
	---	21,192	26,000	29,500	29,250	27,750	40,000	43,441	35,000	29,220	32,500	26,100	
	24,000	23,481	30,747	35,519	36,000	40,395	42,333	44,518	48,457	34,407	34,625	34,177	
	---	4,064	7,807	6,956	7,045	17,257	2,517	8,151	18,849	6,721	2,287	11,289	
	1	17	21	13	5	12	3	9	3	5	4	91	
Chicago	19,200	25,140	29,492	37,600	39,900	54,500	60,000	53,000	79,500	77,500	---	40,500	
	18,000	21,200	27,312	34,150	34,000	36,000	47,365	42,000	42,500	60,000	---	30,000	
	14,500	20,000	22,650	28,125	28,625	32,980	40,000	38,000	33,925	39,900	---	23,500	
	16,814	23,000	27,889	34,500	37,375	41,160	47,824	45,318	55,020	60,533	---	35,422	
	5,350	4,677	7,539	8,404	16,739	11,651	12,279	9,387	27,047	24,036	---	16,802	
	7	22	29	20	16	5	11	11	10	6	0	135	
Cleveland and Akron	---	26,205	31,125	33,600	55,750	48,500	48,500	49,310	43,460	---	---	41,675	
	21,000	23,000	24,860	24,044	39,000	37,570	42,050	42,000	35,250	77,000	---	31,750	
	---	21,200	20,925	20,665	25,750	31,750	40,250	39,680	33,450	---	---	25,000	
	21,000	25,767	26,263	26,103	39,500	39,357	43,517	44,298	37,823	77,000	---	33,516	
	849	4,238	6,347	6,709	16,663	8,567	4,552	5,972	5,920	32,527	---	13,353	
	2	14	20	3	4	6	6	9	6	2	0	72	
Delaware	---	---	29,800	49,700	49,800	---	---	56,500	---	---	---	50,000	
	---	25,250	25,200	31,650	49,100	60,500	57,000	37,450	41,500	36,480	---	40,000	
	---	---	24,000	26,875	45,250	---	---	27,175	---	---	---	26,000	
	---	25,250	26,333	36,075	48,050	60,500	57,000	40,375	41,500	36,480	---	40,217	
	---	1,061	3,062	13,014	2,734	13,435	---	15,776	707	---	---	13,383	
	0	2	3	4	4	2	1	4	2	1	0	23	
New York	24,800	28,500	31,500	41,000	45,000	57,750	59,450	75,000	63,750	55,750	---	45,250	
	21,400	22,500	26,000	32,800	40,100	34,800	58,000	50,000	43,000	42,000	---	32,198	
	18,000	17,472	24,250	29,550	37,000	26,025	35,000	35,000	34,349	29,200	---	25,525	
	21,400	23,093	27,554	34,794	40,571	39,675	49,380	51,618	48,066	42,380	---	36,548	
	5,400	6,230	6,120	7,517	12,572	16,675	13,480	18,338	16,952	13,897	---	15,560	
	3	15	13	9	7	8	5	11	6	5	0	82	
North Jersey	24,750	25,250	30,278	40,500	39,100	51,825	63,250	58,125	64,000	50,000	---	43,050	
	20,000	22,500	27,500	32,000	34,800	42,750	47,850	47,500	42,900	44,100	---	30,800	
	18,488	20,750	23,000	29,700	30,108	35,255	37,750	30,450	25,363	30,750	---	24,000	
	21,295	23,167	27,251	32,767	35,468	44,865	52,555	44,462	47,492	45,712	---	35,383	
	3,257	3,924	4,927	8,033	5,865	10,383	18,538	14,821	28,652	19,233	---	15,409	
	5	18	29	9	9	10	10	14	6	8	0	118	
Northeastern	28,500	26,400	27,869	42,850	49,000	---	74,000	55,250	42,600	80,730	---	30,500	
	20,600	21,600	25,000	34,912	30,870	44,310	30,000	47,500	35,000	46,460	---	23,600	
	17,000	17,500	19,000	28,500	28,000	---	27,550	40,919	28,600	36,250	---	25,500	
	21,957	22,346	24,787	35,696	36,974	44,310	46,620	49,578	37,029	54,480	---	55,118	
	6,112	5,446	6,289	7,638	13,579	2,673	31,078	11,408	11,408	24,855	---	15,524	
	7	13	23	9	5	2	5	10	7	4	0	85	
Philadelphia	22,000	29,000	30,000	40,500	37,750	65,000	---	51,250	50,000	55,750	---	40,000	
	20,200	24,800	25,000	33,646	35,250	50,000	37,000	38,500	44,000	41,500	---	31,826	
	18,900	21,150	21,658	29,625	33,375	47,000	---	33,250	34,800	36,250	---	24,925	
	20,367	26,017	26,161	35,449	36,200	54,000	37,000	43,222	42,533	44,500	---	33,650	
	1,557	8,801	6,121	7,840	3,659	9,644	5,657	13,264	7,987	10,847	---	11,487	
	3	14	19	10	8	3	2	9	6	4	0	78	
Pittsburgh	---	25,650	---	38,750	44,050	38,000	41,522	58,250	40,000	---	---	40,000	
	15,700	25,970	22,500	34,500	36,000	31,500	37,400	45,000	40,000	51,500	---	35,265	
	---	18,435	---	28,750	34,940	28,000	30,633	24,397	31,000	---	---	27,000	
	15,700	22,685	22,500	34,000	38,796	32,500	36,342	42,059	39,000	51,500	---	34,955	
	---	4,071	10,607	5,354	7,168	5,447	6,467	17,868	1,732	12,021	---	11,351	
	1	4	2	4	5	4	5	5	3	2	0	35	
So. Texas	---	32,000	37,050	35,000	52,500	52,000	66,500	63,875	64,000	---	---	49,500	
	22,400	28,500	26,700	30,936	39,480	38,034	47,000	58,500	58,250	49,000	---	35,000	
	---	23,150	24,500	28,100	35,000	31,665	37,500	35,750	35,750	---	---	26,858	
	22,400	27,475	30,651	31,427	42,160	42,381	51,000	51,938	52,950	49,000	---	39,608	
	1,980	4,928	7,749	3,713	8,866	14,687	16,508	13,749	18,252	31,113	---	15,399	
	2	10	13	5	6	6	5	8	8	2	0	65	
Washington, D.C.	18,038	22,900	31,250	37,347	---	---	45,537	55,000	---	---	---	40,000	
	14,625	21,000	23,600	26,875	32,445	50,000	42,075	39,500	40,178	60,550	---	27,500	
	13,125	17,700	19,500	25,535	---	---	39,594	35,750	---	---	---	21,000	
	15,263	20,982	25,511	30,448	32,445	50,000	42,985	44,200	40,178	60,550	---	31,376	
	2,644	4,277	7,559	9,757	5,706	---	4,795	11,899	20,962	7,849	---	13,408	
	4	10	9	10	2	1	6	5	2	2	0	51	
None of the Above	25,375	25,352	30,000	37,475	41,020	44,000	51,962	49,990	49,250	60,000	---	40,000	
	21,360	22,833	26,000	32,250	37,500	37,500	41,805	45,000	39,520	49,000	---	30,250	
	17,035	19,425	22,654	26,275	30,000	33,371	35,750	36,000	32,000	32,864	---	24,000	
	21,089	22,670	26,694	33,185	36,934	38,683	42,999	43,996	42,353	50,179	---	33,490	
	4,942	4,969	5,700	8,594	11,133	9,895	12,649	13,056	14,567	20,027	---	12,895	
	28	126	194	132	87	61	66	81	44	55	0	854	
No Response	---	29,250	28,500	33,100	69,000	45,000	---	65,750	---	---	---	36,250	
	19,700	24,180	24,000	28,810	36,500	37,500	60,450	36,000	45,500	---	---	30,000	
	---	21,625	20,800	26,500	30,950	23,654	---	30,500	---	---	---	23,817	
	19,700	24,253	24,962	29,723	45,467	35,378	60,450	44,567	45,500	---	---	33,342	
	6,647	5,977	5,605	8,263	18,533	10,840	2,758	18,612	36,062	---	---	15,469	
	2	8	11	9	6	3	2	6	2	0	0	49	
TOTAL	23,800	26,000	30,000	38,000	41,625	47,000	55,000	52,500	50,375	60,000	47,700	40,800	
	20,200	23,000	26,000	32,500	36,550	38,540	42,500	45,000	40,000	47,000	37,330	31,000	
	17,000	20,000	22,896	27,000	30,853	32,520	35,000	36,100	33,625	35,000	33,500	24,370	
	20,472	23,177	26,912	33,242	37,824	40,284	45,139	45,404	44,248	50,610	41,550	34,279	
	4,819	5,165	6,196	8,291	11,543	11,634	14,018	13,326	16,920	20,021	12,806	13,890	
	67	283	405	243	170	127	131	191	108	75	10	1,808	

Table 1.4.2

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC M.S. CHEMISTS
by ACS LOCAL SECTION and YEARS SINCE BS
1984 Survey of ACS Members

YEARS SINCE BS

LOCAL SECTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
So. California	---	30,000	36,750	40,000	52,950	45,240	---	---	63,000	---	---	42,500	- 75th %-ile
	---	25,000	35,500	33,000	32,160	36,000	---	51,000	54,000	34,000	55,000	34,500	- 50th %-ile
	---	24,000	32,200	29,000	29,500	32,000	---	---	25,350	---	---	30,000	- 25th %-ile
	---	26,333	35,263	34,240	41,429	37,747	---	51,000	47,450	34,000	55,000	38,174	- Mean
	---	3,215	3,766	5,106	17,358	6,791	---	---	19,661	---	21,213	12,222	- Std Dev
	0	3	8	10	9	3	0	1	3	1	2	40	- Count
California	---	---	35,000	44,640	41,725	57,000	50,000	66,000	---	---	72,000	50,000	
	---	---	30,000	36,250	35,750	40,000	40,000	55,000	73,000	52,720	52,000	35,400	
	---	---	26,000	31,038	31,750	26,500	32,000	32,604	---	---	41,000	30,250	
	---	---	30,480	40,702	37,500	41,167	41,157	51,201	73,000	52,720	55,000	40,209	
	---	---	7,031	14,092	7,102	15,283	9,975	17,019	---	3,847	16,773	13,650	
	0	0	15	8	6	3	7	3	1	2	4	49	
Chicago	---	---	32,000	37,000	41,500	52,750	63,500	64,460	69,750	---	51,400	45,000	
	---	20,000	29,000	31,500	39,100	47,500	44,225	41,000	52,700	75,100	36,000	36,000	
	---	---	26,875	30,000	32,700	30,178	37,063	34,250	37,600	---	27,000	30,000	
	---	20,000	30,150	33,816	38,825	43,285	48,263	47,684	53,350	75,100	38,560	39,523	
	---	---	6,169	6,415	8,275	11,761	14,896	19,744	16,950	---	14,065	13,429	
	0	1	10	11	12	6	4	5	4	1	5	59	
Cleveland and Akron	---	---	31,200	42,000	49,740	60,000	---	48,750	51,750	---	---	45,000	
	---	25,200	28,600	31,000	40,000	56,960	47,500	45,000	41,460	76,000	---	38,960	
	---	---	23,210	26,000	29,200	45,000	---	41,250	33,105	---	---	28,150	
	---	25,200	27,513	33,333	39,833	53,987	47,500	45,000	42,105	76,000	---	39,718	
	---	---	4,375	8,140	10,878	7,930	4,950	4,082	9,658	13,941	---	14,640	
	0	1	9	6	9	3	2	4	4	2	0	40	
Delaware	---	---	---	---	---	47,450	---	---	---	80,000	---	---	53,225
	---	25,500	32,800	37,500	41,000	36,200	---	68,000	65,000	---	42,000	41,500	
	---	---	---	---	---	40,000	---	---	---	52,500	---	---	35,000
	---	25,500	32,800	37,500	43,180	36,200	---	68,000	65,767	---	42,000	46,094	
	---	---	3,111	17,678	3,939	1,697	---	16,971	13,866	---	---	16,016	
	0	1	2	2	5	2	0	2	3	0	1	18	
New York	---	---	34,900	39,500	48,100	53,250	48,975	60,000	44,750	89,950	---	45,000	
	---	---	29,760	34,000	40,440	39,000	42,450	47,500	42,120	42,250	---	36,750	
	---	---	23,700	31,000	34,625	26,625	41,025	35,000	39,000	33,000	---	31,750	
	---	---	29,098	35,867	41,065	39,625	44,150	48,985	41,924	55,183	---	40,327	
	---	---	5,978	7,597	8,660	13,780	4,655	18,048	3,579	30,612	---	15,151	
	0	0	17	9	12	4	4	13	5	6	0	70	
North Jersey	---	25,375	32,700	41,063	50,250	54,000	53,500	70,000	51,500	50,000	48,000	49,750	
	---	24,000	27,250	36,225	40,100	46,300	45,500	62,500	47,750	50,000	37,000	40,000	
	---	23,000	25,675	29,250	36,250	40,000	40,500	39,150	44,500	40,500	29,375	30,100	
	---	24,125	28,363	36,042	45,158	46,978	45,625	54,125	48,688	48,063	38,125	41,299	
	---	1,315	5,322	7,562	13,086	10,658	8,193	19,724	7,545	12,588	9,767	15,533	
	0	4	16	24	16	9	8	12	8	8	4	109	
Northeastern	---	---	32,375	39,768	41,950	---	57,000	48,000	---	51,400	---	44,000	
	---	---	30,600	31,488	37,400	52,350	51,000	41,000	53,500	40,000	---	35,500	
	---	---	25,190	30,000	30,000	---	44,375	38,000	---	23,000	---	30,000	
	---	---	29,952	34,122	36,450	52,350	51,083	43,186	53,500	38,133	---	37,189	
	---	---	7,414	7,050	6,325	3,748	6,312	8,519	707	14,292	---	9,950	
	0	0	12	20	4	2	6	7	2	3	0	56	
Philadelphia	---	32,916	32,975	40,000	45,000	48,000	44,000	60,200	76,000	---	---	40,000	
	---	28,000	30,750	33,500	39,000	36,000	30,000	47,500	50,000	---	32,000	32,750	
	---	25,375	25,000	28,500	34,000	31,000	28,000	16,000	36,000	---	---	28,200	
	---	28,343	28,807	34,782	40,629	38,800	34,000	41,233	54,000	---	32,000	34,922	
	---	7,170	6,756	7,221	11,700	9,985	8,718	22,757	20,298	---	2,828	11,309	
	0	6	14	13	7	5	3	3	3	0	2	56	
Pittsburgh	---	---	32,000	38,000	---	---	---	68,500	---	---	---	42,000	
	---	23,720	30,000	32,500	---	---	42,000	60,000	29,000	---	72,000	32,000	
	---	---	24,448	25,650	---	---	---	33,000	---	---	---	28,896	
	---	23,720	28,579	32,050	---	---	42,000	52,600	29,000	---	72,000	38,133	
	---	2,432	4,978	6,399	---	---	---	18,447	---	---	---	16,500	
	0	2	5	4	0	0	1	5	1	0	1	19	
So. Texas	---	---	30,150	43,680	67,125	---	42,800	57,000	---	---	52,750	48,000	
	---	32,300	29,130	37,200	41,100	46,000	36,250	42,000	66,500	---	46,000	39,000	
	---	---	27,480	34,000	35,815	---	27,364	36,250	---	---	36,300	34,125	
	---	32,300	28,920	38,153	47,690	46,000	35,471	49,000	66,500	---	44,967	42,899	
	---	6,081	1,400	8,001	19,057	21,213	8,104	17,459	26,165	---	8,364	14,945	
	0	2	4	11	8	2	4	9	2	0	6	48	
Washington, D.C.	---	---	29,500	45,370	57,000	44,500	48,000	---	---	---	---	45,185	
	---	31,650	25,400	32,300	40,096	40,500	39,767	54,750	54,499	59,000	---	36,000	
	---	---	21,550	26,000	26,500	38,000	26,000	---	---	---	---	26,250	
	---	31,650	26,278	34,151	41,199	41,000	37,922	54,750	54,499	59,000	---	36,605	
	---	6,152	5,386	10,780	15,280	3,559	11,115	14,496	10,609	---	---	12,392	
	0	2	9	11	5	4	3	2	2	1	0	37	
None of the Above	---	28,000	31,500	36,875	42,000	49,625	49,000	53,000	56,500	48,300	56,500	45,000	
	---	26,000	27,800	33,000	36,500	42,500	42,700	44,700	48,000	42,000	46,000	36,000	
	---	20,965	24,750	28,000	32,000	32,784	36,000	37,000	41,550	35,900	30,500	30,000	
	---	24,597	28,333	33,324	37,500	42,914	45,531	48,116	49,078	43,558	47,222	38,549	
	---	5,727	5,382	7,795	9,482	13,807	12,041	15,785	14,876	14,849	20,438	13,262	
	0	11	69	120	76	66	39	51	41	17	9	499	
No Response	---	---	40,000	32,250	50,000	---	44,000	---	70,000	---	---	45,000	
	---	26,600	33,000	30,218	46,000	49,550	39,500	66,000	52,000	---	28,500	33,000	
	---	---	24,000	28,825	30,000	---	17,600	---	31,000	---	---	29,000	
	---	26,600	32,333	30,456	42,000	49,550	33,700	66,000	51,000	---	28,500	38,327	
	---	141	8,021	1,842	10,583	10,536	15,534	48,083	19,519	---	16,263	17,411	
	0	2	3	6	3	2	4	2	3	0	2	27	
TOTAL	---	28,000	32,900	39,072	45,000	50,040	49,500	60,000	57,125	51,700	53,500	45,200	
	---	25,900	28,800	33,400	39,000	43,000	43,000	45,000	48,000	46,000	41,900	36,000	
	---	23,000	25,000	29,000	32,600	34,000	36,250	37,000	40,630	38,650	33,150	30,000	
	---	26,153	29,079	34,284	39,786	43,227	43,017	49,334	49,498	48,684	44,586	39,059	
	---	5,289	5,811	7,946	10,964	12,568	11,118	16,773	14,719	19,026	16,027	13,538	
	0	35	193	255	170	111	85	119	82	41	56	1,127	

Table 1.4.3

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC Ph.D. CHEMISTS
by ACS LOCAL SECTION and YEARS SINCE BS
1984 Survey of ACS Members

LOCAL SECTION	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
So. California	---	---	42,000	46,200	61,625	60,000	78,750	60,500	64,500	70,750	72,000	56,000	- 75th %-tile
	---	---	39,000	40,800	51,240	51,300	49,250	52,000	41,250	49,000	59,000	45,900	- 50th %-tile
	---	---	32,750	39,375	43,750	47,000	41,250	40,000	34,500	35,000	46,200	40,000	- 25th %-tile
	---	---	37,862	41,849	53,306	53,045	55,238	52,314	48,750	49,498	59,067	48,801	- Mean
	---	---	4,778	5,672	12,645	11,801	20,678	13,364	21,037	19,154	12,900	14,219	- Std Dev
	0	0	13	14	14	15	8	7	6	9	3	89	- Count
California	---	---	42,500	48,225	55,000	65,000	62,650	75,000	64,250	72,500	88,750	60,075	
	---	---	35,000	43,500	48,250	56,596	57,000	60,000	53,750	62,000	72,750	50,000	
	---	---	34,250	38,875	42,000	48,750	48,800	55,800	48,750	55,000	54,875	43,000	
	---	---	37,451	43,868	49,007	57,571	54,767	63,287	55,786	63,400	72,125	52,178	
	---	---	5,301	7,094	9,110	9,996	12,451	12,071	12,285	10,854	17,769	12,892	
	0	0	9	26	28	14	9	15	10	5	4	120	
Chicago	---	---	38,050	44,250	52,000	59,250	68,000	70,000	53,000	50,250	52,650	52,000	
	20,500	---	36,200	40,000	45,000	52,000	60,000	52,000	50,856	43,450	40,000	44,250	
	---	---	33,750	35,750	38,000	47,750	50,950	43,000	50,000	36,800	33,500	37,150	
	20,500	---	35,352	40,750	46,524	55,013	57,980	56,987	47,522	43,717	41,700	46,429	
	---	---	3,699	7,775	13,263	15,556	11,406	17,440	18,951	8,767	14,633	14,230	
	1	0	18	26	35	18	13	11	7	6	9	144	
Cleveland and Akron	---	---	37,000	44,000	52,000	63,180	50,750	71,750	77,000	79,800	---	56,500	
	---	---	35,900	40,000	47,500	51,000	49,000	60,000	49,800	74,800	50,000	46,150	
	---	---	34,800	35,500	40,000	41,500	46,500	49,750	37,500	55,100	---	38,075	
	---	---	36,655	37,422	46,805	53,358	48,750	60,500	55,760	69,900	50,000	48,582	
	---	---	4,454	10,950	8,652	16,425	2,217	11,387	20,828	13,961	19,799	14,870	
	0	0	11	9	15	18	4	4	5	4	2	72	
Delaware	---	---	38,190	47,700	57,480	73,250	63,500	70,725	68,750	79,000	---	60,000	
	---	---	36,670	42,000	50,000	56,750	57,000	58,000	59,000	60,000	60,050	52,000	
	---	---	35,938	37,800	44,450	49,290	45,540	50,500	54,670	52,000	---	41,760	
	---	---	37,375	43,185	51,262	62,740	54,848	59,485	61,730	63,667	60,050	52,616	
	---	---	2,723	6,580	8,837	16,042	10,731	17,958	10,817	13,868	5,728	14,281	
	0	0	14	23	21	14	10	20	12	3	2	119	
New York	---	---	41,775	45,000	50,000	60,000	75,000	64,000	78,000	59,750	45,300	55,000	
	---	---	37,250	39,000	42,500	50,000	62,300	55,000	56,000	54,000	37,100	45,000	
	---	---	34,600	33,330	39,000	41,375	51,050	38,520	48,000	49,250	35,750	37,500	
	---	---	38,073	38,364	44,674	50,379	62,567	55,590	59,143	53,750	39,840	48,023	
	---	---	4,261	8,702	9,962	12,918	15,136	21,170	17,170	7,555	6,283	14,955	
	0	0	18	29	27	24	18	19	7	8	5	155	
North Jersey	---	---	41,125	48,000	57,750	63,000	62,375	69,250	81,500	78,500	66,000	61,000	
	---	---	36,710	44,100	49,000	54,500	59,188	59,950	65,300	60,000	51,000	50,000	
	---	---	35,075	40,000	42,000	47,625	47,650	52,125	53,956	52,000	39,000	42,500	
	---	---	37,680	45,244	50,775	55,796	55,395	61,917	65,333	64,540	52,471	52,782	
	---	---	6,054	8,358	13,210	14,271	13,408	15,693	20,529	14,994	16,599	15,103	
	0	0	22	50	33	40	24	32	10	15	7	233	
Northeastern	---	---	43,000	43,375	50,600	58,500	53,635	82,000	80,000	---	---	52,000	
	---	---	38,400	39,400	44,000	50,500	50,000	45,792	54,000	62,400	46,000	43,750	
	---	---	31,000	36,941	38,300	40,500	40,750	36,300	40,000	---	---	38,652	
	---	---	37,649	40,332	45,499	50,833	48,174	53,727	58,000	62,400	46,000	46,362	
	---	---	6,755	4,714	9,362	9,944	6,716	24,113	20,298	18,526	8,485	11,775	
	0	0	11	12	29	12	12	7	3	2	2	90	
Philadelphia	---	---	38,000	43,500	55,625	57,700	64,250	56,000	58,125	70,000	---	56,000	
	---	---	36,800	39,800	47,500	52,650	57,500	50,300	47,200	59,000	34,800	47,000	
	---	---	32,375	38,060	40,748	46,239	45,281	42,400	42,500	47,955	---	39,000	
	---	---	36,121	41,634	48,123	55,024	55,985	50,457	52,317	58,436	34,800	49,030	
	---	---	4,228	7,384	11,761	14,504	15,326	7,218	18,814	17,968	1,697	14,044	
	0	0	12	21	24	24	12	7	6	11	2	119	
Pittsburgh	---	---	37,267	42,100	45,800	65,700	74,000	62,500	72,200	63,000	---	60,250	
	---	---	34,400	37,700	37,500	61,000	64,000	53,762	45,000	55,500	61,000	45,400	
	---	---	33,650	33,700	33,840	47,850	60,000	46,499	41,000	46,500	---	37,525	
	---	---	35,247	37,860	37,663	61,075	66,000	54,254	54,280	55,000	61,000	49,647	
	---	---	1,934	4,370	8,174	17,639	7,211	8,453	24,048	8,602	---	16,036	
	0	0	5	5	7	8	3	4	5	4	1	42	
So. Texas	---	---	44,125	49,250	52,250	72,125	77,500	66,250	---	---	98,000	60,000	
	---	---	40,500	41,988	46,500	54,000	64,500	47,000	61,600	77,750	60,000	48,000	
	---	---	35,200	37,475	40,800	46,125	52,000	40,000	---	---	38,400	41,000	
	---	---	40,388	43,034	46,736	56,933	64,812	52,250	61,600	77,750	65,467	52,113	
	---	---	6,505	7,885	6,959	13,305	15,203	13,451	---	31,466	30,174	15,428	
	0	0	8	14	14	6	13	10	1	2	3	71	
Washington, D.C.	---	---	35,750	41,250	43,424	52,000	52,000	57,000	63,000	64,000	60,000	53,790	
	---	---	33,000	39,281	40,000	43,600	48,000	52,000	58,500	55,569	59,000	45,000	
	---	---	30,450	33,864	32,000	40,000	42,000	48,000	42,500	49,250	44,100	39,330	
	---	---	32,378	36,771	39,810	47,056	47,249	52,815	54,143	56,845	54,367	46,289	
	---	---	5,312	8,404	7,178	10,873	7,627	8,544	11,360	8,774	8,905	11,013	
	0	0	9	10	19	23	23	15	7	12	3	121	
None of the Above	---	---	37,700	44,000	50,350	58,000	58,000	64,750	69,610	72,500	53,000	55,000	
	---	---	35,230	40,000	43,700	48,200	50,000	54,000	56,000	60,000	38,000	45,000	
	---	---	33,000	35,850	38,400	41,184	44,000	44,052	49,000	49,750	30,350	38,400	
	---	---	35,158	40,072	44,909	50,688	50,816	55,184	59,508	61,657	42,561	48,088	
	---	---	4,016	6,526	10,324	14,265	11,118	15,246	15,803	18,497	14,691	14,118	
	0	0	98	192	228	191	142	132	85	61	16	1,145	
No Response	---	---	39,750	45,000	73,000	55,250	52,000	59,000	57,800	---	---	50,000	
	---	---	34,325	37,000	48,000	44,500	50,000	47,000	50,000	45,000	46,500	41,475	
	---	---	30,250	30,700	30,575	34,554	48,000	41,250	37,400	---	---	32,000	
	---	---	34,779	37,689	50,525	47,412	49,714	49,083	48,400	45,000	46,500	43,294	
	---	---	5,955	6,617	23,028	16,630	15,119	9,057	10,294	---	---	13,232	
	0	0	12	9	4	10	7	3	3	1	1	50	
TOTAL	---	---	38,680	45,000	52,000	60,000	60,350	65,000	68,000	69,000	60,825	56,000	
	20,500	---	36,000	40,000	45,000	50,000	52,000	55,000	55,600	59,000	45,400	46,000	
	---	---	33,600	36,263	39,000	43,000	45,000	45,000	47,400	49,500	36,000	38,988	
	20,500	---	36,183	41,004	46,179	52,458	53,117	56,309	57,924	59,614	48,953	48,798	
	---	---	4,763	7,409	10,852	14,274	12,634	15,532	16,299	16,662	16,636	14,221	
	1	0	260	440	498	417	298	286	167	143	60	2,570	

Table 2.1.0

SALARIES of FULL-TIME EMPLOYED INDUSTRIAL CHEMISTS
by HIGHEST DEGREE and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	26,760	30,015	35,080	45,630	52,000	57,600	62,480	64,300	70,300	88,050	---	53,000 - 90th %-ile
	24,300	26,349	30,555	38,000	43,250	48,000	56,500	54,000	51,750	61,625	51,100	42,000 - 75th %-ile
	20,800	23,500	27,000	33,000	38,000	39,000	45,000	45,000	40,685	48,000	41,750	32,000 - 50th %-ile
	18,119	20,175	23,000	27,575	32,000	33,000	37,200	37,000	35,000	35,750	34,250	25,000 - 25th %-ile
	16,275	17,412	20,072	23,350	26,900	29,640	30,000	30,160	28,880	28,120	---	21,000 - 10th %-ile
	21,451	23,662	27,573	33,710	39,057	40,857	46,428	46,565	45,718	51,813	44,163	35,125 - Mean
	4,431	5,007	6,315	8,449	11,947	10,782	12,902	13,399	17,079	20,198	12,697	14,089 - Std Dev
	56	238	331	190	138	95	105	163	96	62	8	1,482 - Count
Masters	---	30,956	36,000	45,100	54,232	61,020	60,700	75,360	73,000	85,940	71,400	57,000
	---	28,000	33,000	40,000	45,000	55,000	51,250	60,000	56,000	51,550	54,250	46,000
	---	25,950	30,000	34,000	39,100	45,000	44,000	47,500	47,520	45,950	42,000	37,000
	---	24,750	26,000	30,000	33,600	36,500	38,000	37,000	41,000	39,825	33,700	30,200
	---	21,100	22,000	26,450	29,010	29,832	32,750	32,000	31,200	30,430	28,090	26,000
	---	26,263	29,633	35,090	40,541	45,797	45,076	50,827	49,962	50,647	45,659	39,931
	---	3,602	5,659	7,293	10,473	12,393	10,905	16,916	14,675	19,772	16,013	13,579
	0	30	169	198	140	87	62	97	63	30	32	908
Doctorate	---	---	42,563	50,000	62,600	72,660	72,400	80,000	81,900	85,000	74,450	70,000
	---	---	38,825	45,000	52,575	62,000	63,150	67,250	70,277	75,000	63,000	58,000
	20,500	---	36,350	41,000	46,000	52,000	55,000	57,000	60,000	59,000	45,400	47,250
	---	---	34,000	36,800	40,000	45,850	46,810	48,218	49,850	50,000	36,000	40,000
	---	---	32,000	34,580	36,000	40,034	42,000	40,000	43,123	41,176	28,740	35,000
	20,500	---	36,756	41,658	47,448	54,834	55,807	58,409	61,511	61,707	49,290	49,976
	---	---	4,391	6,893	10,794	13,495	12,015	15,641	15,523	17,755	17,394	14,286
	1	0	230	373	405	321	225	218	120	97	50	2,040
TOTAL	26,540	30,191	40,000	48,320	60,000	69,840	70,000	75,100	79,500	85,000	70,000	64,000
	24,200	26,775	36,000	43,000	50,000	59,000	60,000	62,000	65,000	70,200	59,250	51,000
	20,600	24,000	30,750	37,500	42,500	49,500	50,200	50,085	50,000	52,800	43,500	40,000
	18,238	21,000	25,800	32,400	37,000	41,000	42,525	41,000	41,000	43,000	35,900	32,000
	16,350	17,590	22,000	27,600	32,000	34,000	35,874	35,000	32,396	32,500	28,510	25,000
	21,435	23,953	30,943	37,965	44,337	50,631	51,598	52,832	53,469	56,706	47,543	42,949
	4,393	4,934	6,907	8,256	11,593	14,057	13,025	16,072	17,387	19,501	16,510	15,595
	57	268	730	761	683	503	392	478	279	189	90	4,430

Table 2.1.1

SALARIES of FULL-TIME EMPLOYED INDUSTRIAL CHEMISTS - MEN Only
by HIGHEST DEGREE and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	25,600	27,025	32,000	39,000	44,000	48,000	57,000	54,238	51,000	62,250	52,800	43,650 - 75th %-ile
	21,400	23,700	27,850	33,300	38,000	40,000	44,500	45,250	40,370	46,500	46,000	34,000 - 50th %-ile
	18,475	20,577	24,425	28,000	32,358	35,000	38,750	37,425	35,000	35,750	34,000	26,130 - 25th %-ile
	22,031	23,881	28,509	34,213	39,729	41,815	46,801	46,972	45,352	51,983	45,471	36,906 - Mean
	4,690	5,381	6,193	8,390	10,223	10,109	13,103	13,586	17,470	20,617	13,118	14,381 - Std Dev
	31	146	224	163	118	79	90	146	79	58	7	1,141 - Count
Masters	---	28,000	33,800	40,000	45,800	56,000	52,000	64,750	54,000	51,550	55,000	48,000
	---	25,500	30,000	35,000	39,100	48,000	44,200	48,300	47,000	44,950	48,000	38,000
	---	23,000	26,425	30,275	34,000	41,000	38,000	38,000	41,000	39,825	37,200	31,000
	---	26,055	30,190	36,096	40,923	48,100	45,652	52,191	49,264	50,546	49,143	41,221
	---	4,018	5,652	7,090	10,573	11,832	11,064	17,073	14,614	20,024	16,575	13,855
	0	23	129	156	116	73	54	88	59	26	23	747
Doctorate	---	---	38,760	45,450	52,980	62,000	64,000	67,000	72,500	74,000	64,025	58,300
	20,500	---	36,400	41,472	46,500	52,550	55,000	56,000	60,000	58,000	48,250	48,000
	---	---	34,000	37,000	40,000	46,000	46,620	48,218	50,000	50,000	36,950	40,000
	20,500	---	36,746	42,025	47,618	55,287	56,021	58,303	61,955	60,448	51,859	50,390
	---	---	4,227	6,868	10,869	13,493	12,157	15,569	15,643	17,146	16,926	14,247
	1	0	199	321	367	294	211	202	111	87	42	1,835
TOTAL	25,375	27,300	36,500	43,500	51,000	60,000	60,000	62,000	65,000	70,000	62,500	52,000
	21,000	24,000	32,100	38,500	43,000	50,000	51,000	51,000	50,000	52,500	46,250	42,000
	18,481	21,000	26,775	33,525	37,260	42,800	43,000	42,000	41,000	42,200	37,125	34,000
	21,983	24,177	31,872	38,590	44,777	51,725	52,107	53,275	53,680	56,071	50,370	44,418
	4,621	5,260	6,573	8,124	11,638	13,726	13,108	16,035	17,659	19,245	16,410	15,452
	32	169	552	640	601	446	355	436	249	171	72	3,723

Table 2.1.2

SALARIES of FULL-TIME EMPLOYED INDUSTRIAL CHEMISTS - WOMEN Only
by HIGHEST DEGREE and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	23,520	26,000	29,800	33,050	40,000	36,000	49,000	48,000	47,630	---	---	31,000 - 75th %-ile
	20,600	23,000	25,000	27,650	35,500	32,640	36,000	40,000	40,000	54,500	---	25,500 - 50th %-ile
	17,500	20,020	22,000	25,375	28,125	29,100	31,375	32,700	34,325	---	---	21,600 - 25th %-ile
	20,732	23,195	25,783	29,148	32,544	33,865	40,250	40,785	42,836	54,500	---	27,593 - Mean
	4,065	4,332	5,961	5,681	8,483	9,638	9,973	10,644	13,253	4,950	---	9,127 - Std Dev
	25	89	99	22	16	15	10	13	12	2	0	303 - Count
Masters	---	28,000	32,000	32,225	42,550	39,500	42,450	41,873	---	---	41,500	36,000
	---	26,700	27,750	30,000	37,250	34,000	38,000	38,850	56,000	40,100	36,000	30,200
	---	25,440	24,250	27,060	30,350	25,375	28,800	33,000	---	---	29,775	26,750
	---	26,949	27,746	29,685	38,667	32,710	36,100	38,179	56,000	40,100	37,850	32,102
	---	1,675	5,169	4,844	11,443	7,356	6,938	6,697	---	14,001	10,861	8,403
	0	7	36	36	18	12	5	8	1	2	8	133
Doctorate	---	---	38,150	44,250	50,000	49,500	62,000	73,000	---	---	39,000	45,700
	---	---	35,700	38,000	42,000	40,000	55,000	55,000	62,013	72,642	31,400	38,600
	---	---	33,150	35,000	39,200	35,690	29,928	33,750	---	---	27,000	35,000
	---	---	36,227	38,853	45,024	41,529	48,976	55,750	62,013	72,642	33,629	41,580
	---	---	5,331	6,586	9,273	9,342	16,863	21,658	26,852	14,162	13,428	11,706
	0	0	28	46	27	9	3	8	2	2	7	132
TOTAL	23,520	26,030	32,700	38,000	45,000	40,000	49,000	49,500	56,000	67,635	40,000	36,500
	20,600	23,420	28,000	33,391	40,000	35,190	37,000	40,000	43,025	54,500	34,000	30,000
	17,500	20,275	23,000	28,219	33,300	29,575	30,732	34,000	35,300	45,050	27,000	24,000
	20,732	23,469	28,010	33,626	39,874	35,396	40,552	44,194	46,271	55,747	35,880	31,900
	4,065	4,304	6,836	7,444	10,911	9,341	10,763	15,196	15,549	17,232	11,874	11,145
	25	96	163	104	61	36	18	29	15	6	15	568

Table 2.2.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

SPECIALTY	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Biochemistry	---	21,100	43,500	---	---	---	---	---	---	---	---	36,500	- 75th %-ile
	17,375	20,000	36,000	35,000	27,000	47,000	75,000	42,000	45,000	---	---	22,000	- 50th %-ile
	---	20,000	23,300	---	---	---	---	---	---	---	---	20,000	- 25th %-ile
	17,375	20,713	33,920	35,000	27,000	47,000	75,000	42,000	45,000	---	---	29,808	- Mean
	2,298	2,758	11,460	---	---	---	---	28,284	---	---	---	15,290	- Std Dev
	2	11	5	1	1	1	1	2	1	0	0	25	- Count
Agricultural/ food chemistry	---	25,463	26,352	47,500	64,500	---	47,700	45,500	78,750	---	---	46,000	
	---	21,800	24,000	35,000	40,100	30,500	36,000	39,600	60,000	51,600	46,000	35,000	
	---	18,075	21,700	32,000	33,300	---	33,000	29,450	42,365	---	---	24,360	
	---	21,774	24,129	38,586	46,411	30,500	39,943	37,816	60,803	51,600	46,000	37,441	
	---	3,579	3,645	10,220	16,985	21,920	8,646	8,440	20,864	11,879	---	15,852	
	0	8	11	7	9	2	7	10	6	2	1	63	
Analytical chemistry	25,025	27,500	29,996	37,700	40,750	46,500	48,000	52,500	45,000	50,000	---	38,000	
	20,500	22,920	25,750	33,000	36,000	36,000	40,044	45,000	35,000	40,000	33,000	30,000	
	18,225	20,000	23,000	27,600	31,175	32,430	30,500	36,025	30,600	29,220	---	24,030	
	21,663	23,872	26,291	33,051	36,521	38,700	41,477	45,317	39,082	42,515	33,000	32,195	
	5,023	5,266	5,098	7,692	9,295	8,661	12,369	11,630	13,566	15,491	1,414	11,200	
	20	83	128	77	44	29	33	44	25	15	2	500	
Environmental chemistry	---	26,892	30,350	36,000	45,500	40,000	---	46,925	70,375	---	---	40,000	
	20,150	23,750	26,500	33,800	40,000	30,000	48,000	40,000	54,650	57,960	35,000	32,250	
	---	20,800	22,748	27,250	36,900	21,100	---	26,850	36,375	---	---	25,075	
	20,150	23,845	27,906	32,706	38,897	30,367	48,000	38,063	56,538	57,960	35,000	34,711	
	5,162	4,334	7,371	6,287	8,647	9,455	11,314	11,688	23,438	7,128	---	13,521	
	2	10	17	25	10	3	2	8	8	2	1	88	
Organic chemistry	23,085	26,750	32,500	41,000	42,250	51,000	59,000	60,000	57,250	73,000	---	48,000	
	21,000	25,000	27,500	28,000	38,000	38,640	52,000	45,000	46,300	59,600	37,500	36,000	
	18,900	22,250	25,000	26,000	30,608	33,000	43,000	37,000	34,225	43,000	---	26,002	
	20,884	25,468	28,364	32,513	38,243	40,729	50,995	49,261	49,239	60,427	37,500	38,885	
	3,097	6,878	5,355	10,273	8,621	10,219	11,504	16,665	18,295	21,934	---	16,556	
	10	24	31	20	17	15	21	23	12	15	1	189	
Inorganic chemistry	27,775	29,425	31,000	52,000	42,250	58,750	60,900	52,620	63,950	50,000	---	46,000	
	22,800	25,150	26,000	44,000	39,000	40,000	45,000	43,910	46,350	45,000	70,000	39,000	
	17,750	23,400	22,500	37,000	37,250	39,250	39,000	38,375	28,000	28,000	---	28,000	
	22,775	25,933	26,386	44,333	39,500	46,000	51,500	45,038	46,100	41,000	70,000	40,193	
	5,222	3,344	4,408	7,506	2,646	12,675	17,694	10,041	18,581	11,533	---	15,268	
	4	6	7	3	4	4	11	8	4	3	1	55	
Pharmaceutical/ medicinal/ clinical chemistry	25,500	24,648	31,000	36,875	45,000	63,000	58,300	61,000	50,500	100,000	---	40,250	
	21,700	22,500	25,600	30,000	40,000	48,550	52,683	50,170	40,000	88,500	---	29,900	
	18,906	20,898	22,084	27,300	33,000	34,075	41,841	34,300	36,000	29,800	---	22,590	
	22,822	22,657	27,699	31,873	39,487	48,238	50,941	49,397	48,600	72,767	---	34,089	
	4,955	3,368	8,342	8,051	7,343	14,899	8,906	16,316	23,275	37,652	---	15,806	
	8	24	35	13	15	8	4	9	7	3	0	126	
Physical chemistry	---	27,400	41,000	45,250	---	57,090	50,375	52,000	53,000	---	---	46,000	
	24,000	23,500	35,000	32,100	34,800	43,260	48,000	41,700	52,000	44,800	---	35,000	
	---	16,280	24,000	27,075	---	32,040	37,000	35,000	36,000	---	---	27,600	
	24,000	22,172	33,991	34,717	34,800	44,130	45,125	42,900	47,000	44,800	---	36,783	
	---	5,985	8,425	8,772	---	12,975	7,685	8,563	9,539	---	---	11,198	
	1	5	7	6	1	4	4	3	3	1	0	35	
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	---	
	---	16,000	---	---	---	---	---	---	---	---	---	16,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	16,000	---	---	---	---	---	---	---	---	---	16,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	1	0	0	0	0	0	0	0	0	0	1	
Polymer/ macromolecular chemistry	25,017	27,150	32,150	39,000	44,000	49,000	57,000	58,000	65,500	60,375	---	45,850	
	24,550	24,000	29,000	32,800	37,500	42,420	45,200	50,000	44,920	56,000	46,000	35,000	
	16,000	20,500	26,038	28,000	32,400	34,500	38,000	42,000	39,875	38,110	---	26,120	
	21,594	24,057	28,962	34,430	38,085	42,396	45,664	51,207	50,634	50,748	46,000	36,964	
	5,279	4,690	5,644	9,334	9,547	9,908	12,223	12,457	13,968	13,281	---	13,768	
	6	37	49	23	20	17	11	35	10	12	1	221	
Other chemistry	20,388	26,900	32,750	40,800	51,500	46,110	60,000	56,500	41,850	74,250	---	43,000	
	18,500	23,700	28,000	36,000	39,900	41,534	50,000	46,000	37,420	42,000	52,800	33,000	
	18,000	20,500	23,764	30,000	30,000	30,575	36,000	35,150	31,525	30,000	---	25,000	
	18,963	23,526	28,328	36,055	44,258	40,157	48,332	46,224	39,347	50,456	52,800	36,156	
	1,259	4,839	7,164	10,341	21,988	10,642	11,721	14,132	11,916	25,796	---	15,360	
	3	29	41	15	17	12	11	21	20	9	1	179	
TOTAL	24,300	26,349	30,555	38,000	43,250	48,000	56,500	54,000	51,750	61,625	51,100	42,000	
	20,800	23,500	27,000	33,000	38,000	39,000	45,000	45,000	40,685	48,000	41,750	32,000	
	18,119	20,175	23,000	27,575	32,000	33,000	37,200	37,000	35,000	35,750	34,250	25,000	
	21,451	23,662	27,573	33,710	39,057	40,857	46,428	46,565	45,718	51,813	44,163	35,125	
	4,431	5,007	6,315	8,449	11,947	10,782	12,902	13,399	17,079	20,198	12,697	14,089	
	56	238	331	190	138	95	105	163	96	62	8	1,482	

Table 2.2.1.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY -MEN Only
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	21,000	50,000	---	---	---	---	---	---	---	---	46,500 - 75th %-ile
	19,000	20,000	37,000	---	27,000	47,000	75,000	22,000	45,000	---	---	27,000 - 50th %-ile
	---	20,000	27,000	---	---	---	---	---	---	---	---	20,250 - 25th %-ile
	19,000	20,333	38,000	---	27,000	47,000	75,000	22,000	45,000	---	---	34,167 - Mean
	---	577	11,533	---	---	---	---	---	---	---	---	17,225 - Std Dev
	1	3	3	0	1	1	1	1	1	0	0	12 - Count
Agricultural/ food chemistry	---	24,925	26,014	49,375	66,750	---	51,350	44,000	80,000	---	---	46,000
	---	21,600	23,400	37,500	46,050	46,000	41,400	37,200	47,410	43,200	46,000	35,000
	---	19,050	20,275	34,250	32,950	---	34,000	28,300	37,455	---	---	25,250
	---	21,910	23,357	40,750	47,213	46,000	42,420	36,796	54,955	43,200	46,000	37,852
	---	3,337	3,510	8,853	17,975	---	9,096	8,272	24,177	---	---	14,993
	0	5	8	6	8	1	5	9	4	1	1	48
Analytical chemistry	27,725	28,500	30,000	38,000	40,000	49,500	46,500	52,590	45,000	52,500	---	40,000
	22,000	23,460	26,600	33,000	35,940	38,000	40,044	45,000	35,000	41,500	33,000	31,952
	18,250	20,000	23,000	28,000	31,775	34,363	30,500	36,075	29,000	29,805	---	25,200
	22,600	24,298	27,242	33,458	36,404	40,723	41,394	45,719	39,164	43,523	33,000	33,703
	6,038	5,880	5,069	7,690	9,722	9,065	12,323	11,496	14,658	15,557	1,414	11,515
	8	56	83	67	36	20	29	38	21	14	2	374
Environmental chemistry	---	28,080	31,025	36,000	45,300	40,000	---	46,925	71,000	---	---	40,000
	23,800	24,000	28,000	35,000	40,000	30,000	48,000	40,000	48,000	57,960	---	35,000
	---	23,500	23,375	30,000	37,650	21,100	---	26,850	35,500	---	---	27,000
	23,800	25,150	29,064	33,333	40,871	30,367	48,000	38,063	54,829	57,960	---	35,889
	---	4,632	7,658	6,162	4,227	9,455	11,314	11,688	24,771	7,128	---	13,105
	1	7	14	23	8	3	2	8	7	2	0	75
Organic chemistry	23,340	27,575	32,250	43,850	42,250	51,500	58,500	63,750	53,750	77,250	---	49,100
	21,600	25,095	27,500	32,292	38,000	38,820	49,750	47,500	41,485	59,800	37,500	37,500
	18,000	22,500	25,040	26,000	30,608	33,913	42,000	38,500	34,225	42,250	---	27,000
	21,091	26,092	28,372	33,703	38,243	41,281	49,606	51,075	47,559	60,600	37,500	40,026
	3,673	8,158	4,827	10,675	8,621	10,370	11,562	16,834	20,239	22,751	---	16,715
	7	14	25	17	17	14	18	20	8	14	1	155
Inorganic chemistry	27,775	25,225	31,000	52,000	43,000	58,750	60,900	52,620	63,950	50,000	---	47,860
	22,800	24,500	26,000	44,000	40,000	40,000	45,000	43,910	46,350	45,000	70,000	40,000
	17,750	22,200	22,500	37,000	38,000	39,250	39,000	38,375	28,000	28,000	---	26,500
	22,775	23,975	26,386	44,333	40,333	46,000	51,500	45,038	46,100	41,000	70,000	40,652
	5,222	1,678	4,408	7,506	2,517	12,675	17,694	10,041	18,581	11,533	---	15,563
	4	4	7	3	3	4	11	8	4	3	1	52
Pharmaceutical/ medicinal/ clinical chemistry	28,500	23,625	33,000	41,000	46,000	63,000	58,400	61,500	62,875	100,000	---	44,250
	21,400	22,200	26,500	30,000	40,000	48,550	58,000	51,785	40,500	88,500	---	33,000
	17,988	21,060	22,538	28,000	32,250	34,075	40,000	35,950	37,675	29,800	---	24,750
	22,875	22,418	29,104	32,682	39,792	48,238	52,133	51,771	50,700	72,767	---	37,526
	6,209	2,827	7,632	8,212	7,817	14,899	10,510	15,692	24,759	37,652	---	17,279
	5	13	16	11	13	8	3	8	6	3	0	86
Physical chemistry	---	---	41,000	46,000	---	60,000	50,500	---	53,000	---	---	48,000
	---	16,280	35,000	45,000	34,800	38,160	50,000	43,500	52,000	44,800	---	38,160
	---	---	24,000	27,600	---	30,000	34,000	---	36,000	---	---	30,750
	---	16,280	33,991	39,533	34,800	42,720	44,833	43,500	47,000	44,800	---	38,374
	---	2,432	8,425	10,347	---	15,511	9,385	12,021	9,539	---	---	11,648
	0	2	7	3	1	3	3	2	3	1	0	25
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	---
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	0	0	0	0	0	0	0	0	0	0	0	0
Polymer/ macromolecular chemistry	25,666	27,325	35,000	38,750	45,250	47,000	57,500	59,000	67,000	60,375	---	48,000
	24,700	24,000	29,584	32,150	38,500	39,800	45,200	50,000	42,000	56,000	46,000	36,740
	17,000	21,250	27,194	28,000	31,900	34,000	39,800	42,000	39,750	38,110	---	28,985
	22,455	24,107	30,506	33,395	38,206	39,939	46,367	51,734	50,944	50,748	46,000	39,060
	4,749	4,322	4,723	7,806	10,079	6,722	13,271	12,503	14,778	13,281	---	13,627
	3	20	32	20	18	15	9	33	9	12	1	172
Other chemistry	---	26,450	34,726	41,400	56,500	46,445	61,200	56,000	41,850	80,625	---	45,210
	19,444	23,600	28,000	36,000	40,000	44,000	51,949	46,000	37,270	37,500	52,800	35,000
	---	20,000	23,764	27,500	31,500	37,625	43,500	35,000	31,525	30,000	---	25,860
	19,444	23,275	29,085	36,294	48,837	42,979	51,217	45,932	40,196	50,388	52,800	37,772
	1,335	4,848	7,697	11,131	22,215	9,126	10,960	14,559	12,771	27,576	---	16,137
	2	22	29	13	13	10	9	19	16	8	1	142
TOTAL	25,600	27,025	32,000	39,000	44,000	48,000	57,000	54,238	51,000	62,250	52,800	43,650
	21,400	23,700	27,850	33,300	38,000	40,000	44,500	45,250	40,370	46,500	46,000	34,000
	18,475	20,577	24,425	28,000	32,358	35,000	38,750	37,425	35,000	35,750	34,000	26,130
	22,031	23,881	28,509	34,213	39,729	41,815	46,801	46,972	45,352	51,983	45,471	36,906
	4,690	5,381	6,193	8,390	12,223	10,109	13,103	13,586	17,470	20,617	13,118	14,381
	31	146	224	163	118	79	90	146	79	58	7	1,141

Table 2.2.1.2

SALARIES of FULL-TIME EMPLOYED B.S.CHEMISTS IN PRIVATE INDUSTRY -WOMEN Only
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

SPECIALTY	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Biochemistry	—	21,100	43,500	—	—	—	—	—	—	—	—	36,500	- 75th %-ile
	17,375	20,000	36,000	35,000	27,000	47,000	75,000	42,000	45,000	—	—	22,000	- 50th %-ile
	—	20,000	23,300	—	—	—	—	—	—	—	—	20,000	- 25th %-ile
	17,375	20,713	33,920	35,000	27,000	47,000	75,000	42,000	45,000	—	—	29,808	- Mean
	2,298	2,758	11,460	—	—	—	—	28,284	—	—	—	15,290	- Std Dev
	2	11	5	1	1	1	1	2	1	0	0	25	- Count
Agricultural/ food chemistry	—	25,463	26,352	47,500	64,500	—	47,700	45,500	78,750	—	—	46,000	
	—	21,800	24,000	35,000	40,100	30,500	36,000	39,600	60,000	51,600	46,000	35,000	
	—	18,075	21,700	32,000	33,300	—	33,000	29,450	42,365	—	—	24,360	
	—	21,774	24,129	38,386	46,411	30,500	39,943	37,816	60,803	51,600	46,000	37,441	
	—	3,579	3,645	10,220	16,985	21,920	8,646	8,440	20,864	11,879	—	15,852	
	0	8	11	7	9	2	7	10	6	2	1	63	
Analytical chemistry	25,025	27,500	29,996	37,700	40,750	46,500	48,000	52,500	45,000	50,000	—	38,000	
	20,500	22,920	25,750	33,000	36,000	36,000	40,044	45,000	35,000	40,000	33,000	30,000	
	18,225	20,000	23,000	27,600	31,175	32,430	30,500	36,025	30,600	29,220	—	24,030	
	21,663	23,872	26,291	33,051	36,521	38,700	41,477	45,317	39,082	42,515	33,000	32,195	
	5,023	5,266	5,098	7,692	9,295	8,661	12,369	11,630	13,566	15,491	1,414	11,200	
	20	83	128	77	44	29	33	44	25	15	2	500	
Environmental chemistry	—	26,892	30,350	36,000	45,500	40,000	—	46,925	70,375	—	—	40,000	
	20,150	23,750	26,500	33,800	40,000	30,000	48,000	40,000	54,650	57,960	35,000	32,250	
	—	20,800	22,748	27,250	36,900	21,100	—	26,850	36,375	—	—	25,075	
	20,150	23,845	27,906	32,706	38,897	30,367	48,000	38,063	56,538	57,960	35,000	34,711	
	5,162	4,334	7,371	6,287	8,647	9,455	11,314	11,688	23,438	7,128	—	13,521	
	2	10	17	25	10	3	2	8	8	2	1	88	
Organic chemistry	23,085	26,750	32,500	41,000	42,250	51,000	59,000	60,000	57,250	73,000	—	48,000	
	21,000	25,000	27,500	28,000	38,000	38,640	52,000	45,000	46,300	59,600	37,500	36,000	
	18,900	22,250	25,000	26,000	30,608	33,000	43,000	37,000	34,225	43,000	—	26,002	
	20,884	25,468	28,364	32,513	38,243	40,729	50,995	49,261	49,239	60,427	37,500	38,885	
	3,057	6,878	5,355	10,273	8,621	10,219	11,504	16,665	18,295	21,934	—	16,556	
	10	24	31	20	17	15	21	23	12	15	1	189	
Inorganic chemistry	27,775	29,425	31,000	52,000	42,250	58,750	60,900	52,620	63,950	50,000	—	46,000	
	22,800	25,150	26,000	44,000	39,000	40,000	45,000	43,910	46,350	45,000	70,000	39,000	
	17,750	23,400	22,500	37,000	37,250	39,250	39,000	38,375	28,000	28,000	—	28,000	
	22,775	25,933	26,386	44,333	39,500	46,000	51,500	45,038	46,100	41,000	70,000	40,193	
	5,222	3,344	4,408	7,506	2,646	12,675	17,694	10,041	18,581	11,533	—	15,268	
	4	6	7	3	4	4	11	8	4	3	1	55	
Pharmaceutical/ medicinal/ clinical chemistry	25,500	24,648	31,000	36,875	45,000	63,000	58,300	61,000	50,500	100,000	—	40,250	
	21,700	22,500	25,600	30,000	40,000	48,550	52,683	50,170	40,000	88,500	—	29,900	
	18,906	20,898	22,084	27,300	33,000	34,075	41,841	34,300	36,000	29,800	—	22,590	
	22,822	22,657	27,699	31,873	39,487	48,238	50,941	49,397	48,600	72,767	—	34,089	
	4,955	3,368	8,342	8,051	7,343	14,899	8,906	16,316	23,275	37,652	—	15,806	
	8	24	35	13	15	8	4	9	7	3	0	126	
Physical chemistry	—	27,400	41,000	45,250	—	57,090	50,375	52,000	53,000	—	—	46,000	
	24,000	23,500	35,000	32,100	34,800	43,260	48,000	41,700	52,000	44,800	—	35,000	
	—	16,280	24,000	27,075	—	32,040	37,000	35,000	36,000	—	—	27,600	
	24,000	22,172	33,991	34,717	34,800	44,130	45,125	42,900	47,000	44,800	—	36,783	
	—	5,985	8,425	8,772	—	12,975	7,685	8,563	9,539	—	—	11,198	
	1	5	7	6	1	4	4	3	3	1	0	35	
Theoretical chemistry	—	—	—	—	—	—	—	—	—	—	—	—	
	—	16,000	—	—	—	—	—	—	—	—	—	16,000	
	—	—	—	—	—	—	—	—	—	—	—	—	
	—	16,000	—	—	—	—	—	—	—	—	—	16,000	
	—	—	—	—	—	—	—	—	—	—	—	—	
	0	1	0	0	0	0	0	0	0	0	0	1	
Polymer/ macromolecular chemistry	25,017	27,150	32,150	39,000	44,000	49,000	57,000	58,000	65,500	60,375	—	45,850	
	24,950	24,000	29,000	32,800	37,500	42,420	45,200	50,000	44,920	56,000	46,000	35,000	
	16,000	20,500	26,038	28,000	32,400	34,500	38,000	42,000	39,875	38,110	—	26,120	
	21,594	24,057	28,962	34,430	38,085	42,396	45,664	51,207	50,634	50,748	46,000	36,964	
	5,279	4,690	5,644	9,334	9,547	9,908	12,223	12,457	13,968	13,281	—	13,768	
	6	37	49	23	20	17	11	35	10	12	1	221	
Other chemistry	20,388	26,900	32,750	40,800	51,500	46,110	60,000	56,500	41,850	74,250	—	43,000	
	18,500	23,700	28,000	36,000	39,900	41,534	50,000	46,000	37,420	42,000	52,800	33,000	
	18,000	20,500	23,764	30,000	30,000	30,575	36,000	35,750	31,525	30,000	—	25,000	
	18,963	23,526	28,328	36,055	44,258	40,157	48,332	46,224	39,347	50,456	52,800	36,156	
	4,259	4,839	7,164	10,341	21,988	10,642	11,721	14,132	11,916	25,796	—	15,360	
	3	29	41	15	17	12	11	21	20	9	1	179	
TOTAL	24,300	26,349	30,555	38,000	43,250	48,000	56,500	54,000	51,750	61,625	51,100	42,000	
	20,800	23,500	27,000	33,000	38,000	39,000	45,000	45,000	40,685	48,000	41,750	32,000	
	18,119	20,175	23,000	27,575	32,000	33,000	37,200	37,000	35,000	35,750	34,250	25,000	
	21,451	23,662	27,573	33,710	39,057	40,857	46,428	46,565	45,718	51,813	44,163	35,125	
	4,431	5,007	6,315	8,449	11,947	10,782	12,902	13,399	17,079	20,198	12,697	14,089	
	56	238	331	190	138	95	105	163	96	62	8	1,482	

Table 2.2.2

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS												
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	25,440	41,400	50,000	49,750	53,625	59,200	65,000	70,000	61,000	70,000	55,500	- 75th %-ile
	---	16,224	31,100	40,000	41,260	44,000	54,000	48,480	45,000	58,000	35,000	45,500	- 50th %-ile
	---	14,560	29,142	33,000	33,750	34,750	45,000	45,000	38,750	41,600	32,000	36,000	- 25th %-ile
	---	18,741	35,443	42,047	42,801	45,216	52,775	53,275	51,464	57,762	45,667	47,524	- Mean
	---	5,861	9,537	9,082	16,659	11,936	10,802	16,414	18,727	19,847	21,127	16,452	- Std Dev
	0	3	9	15	22	10	17	23	14	13	3	129	- Count
Basic Research	24,200	26,000	29,000	35,000	43,000	46,080	---	62,000	---	---	---	33,000	
	21,000	23,250	26,400	29,250	35,500	36,525	---	42,000	35,000	45,000	---	26,000	
	19,500	20,000	22,700	22,525	30,337	30,750	---	35,000	---	---	---	22,050	
	21,618	23,232	26,567	28,706	40,408	38,456	---	45,643	35,000	45,000	---	29,018	
	2,599	3,836	5,356	6,948	18,378	11,265	---	12,704	1,414	---	---	10,859	
	13	31	31	16	12	8	0	7	2	1	0	121	
Applied R&D	25,600	26,200	30,950	36,000	42,500	46,130	45,500	51,750	47,840	59,500	46,000	38,950	
	21,100	23,600	26,600	30,350	35,250	38,580	41,400	45,500	41,000	42,500	41,750	30,000	
	18,356	21,000	23,000	27,700	31,000	32,415	34,000	37,000	33,700	33,500	34,875	24,000	
	22,423	23,758	27,463	31,756	37,748	39,639	40,192	45,563	40,964	48,749	40,875	32,552	
	4,888	4,129	5,818	6,610	8,352	10,388	9,446	11,282	9,850	18,991	6,088	11,328	
	18	97	117	52	34	30	25	44	27	16	4	464	
Gen Mgt	---	---	35,000	39,620	50,000	55,500	60,675	62,000	75,000	87,750	---	60,000	
	---	25,700	28,350	36,000	40,000	46,000	58,000	52,500	61,300	61,500	---	46,683	
	---	---	25,000	31,500	36,000	35,600	48,987	38,900	44,500	44,500	---	34,750	
	---	25,700	30,697	36,304	41,573	45,640	58,851	51,446	62,908	62,111	---	48,649	
	---	424	7,847	6,343	6,608	10,509	13,360	17,036	21,641	22,072	---	18,583	
	0	2	12	9	11	5	12	13	13	9	0	86	
Marketing	---	31,000	38,000	43,500	58,000	48,297	57,000	58,125	56,625	64,700	---	50,000	
	24,950	24,000	33,000	33,400	40,000	40,034	45,000	47,000	41,000	49,960	---	40,000	
	---	21,600	28,000	30,450	37,500	33,250	41,000	40,500	35,375	43,050	---	30,250	
	24,950	26,195	32,797	37,038	45,045	41,574	47,941	48,620	47,604	51,177	---	40,527	
	1,626	8,298	6,483	10,153	13,872	10,543	10,980	10,676	17,455	15,141	---	13,525	
	2	19	35	20	11	14	17	28	14	12	0	172	
Prod & QC	25,633	28,025	30,000	37,000	39,990	50,000	51,500	44,625	44,000	41,250	---	35,100	
	20,000	22,380	26,750	33,000	35,440	36,000	37,800	37,600	36,000	29,510	52,800	28,850	
	16,125	20,400	22,850	26,000	30,603	33,300	30,250	29,725	30,000	28,100	---	24,000	
	20,619	23,618	26,107	33,092	35,051	39,797	41,346	38,313	36,813	36,053	52,800	30,550	
	5,275	5,272	5,590	8,932	8,935	10,669	12,904	10,943	11,099	15,256	---	10,423	
	17	58	88	53	28	15	20	24	15	8	1	327	
Forensic	22,190	24,000	25,836	36,750	42,000	48,000	40,656	50,640	---	---	---	36,000	
	20,194	21,200	22,500	32,000	36,600	31,000	36,448	40,500	34,500	24,000	---	25,836	
	16,125	17,236	21,000	28,000	29,685	30,000	30,713	33,050	---	---	---	21,000	
	19,368	21,660	23,052	32,778	36,044	36,333	35,939	41,576	34,500	24,000	---	28,633	
	3,603	5,388	4,026	6,043	11,605	10,116	5,350	9,913	9,192	---	---	10,019	
	6	17	15	9	13	3	4	5	2	1	0	75	
Writing/ Editing	---	---	24,720	38,000	---	---	---	53,400	---	---	---	41,000	
	---	21,320	24,000	37,000	---	---	58,000	50,000	28,698	---	---	28,000	
	---	---	22,900	29,000	---	---	---	27,000	---	---	---	24,540	
	---	21,320	23,873	34,667	---	---	58,000	43,467	28,698	---	---	33,147	
	---	6,675	917	4,933	---	---	---	14,362	5,230	---	---	12,577	
	0	2	3	3	0	0	1	3	2	0	0	14	
Data Processing	---	---	---	---	---	---	39,000	---	---	---	---	40,000	
	---	---	---	23,000	---	---	36,000	---	41,000	---	---	36,000	
	---	---	---	---	---	---	31,500	---	---	---	---	27,250	
	---	---	---	23,000	---	---	35,500	---	41,000	---	---	34,100	
	---	---	---	---	---	---	3,775	---	---	---	---	7,162	
	0	0	0	1	0	0	3	0	1	0	0	5	
Consulting	---	32,500	28,000	42,200	---	---	---	72,000	39,000	---	---	42,600	
	---	25,020	28,000	35,000	39,990	45,000	56,000	54,000	35,000	---	---	35,000	
	---	19,500	22,000	29,000	---	---	---	40,000	29,000	---	---	28,000	
	---	25,673	26,000	35,480	39,990	45,000	56,000	55,333	34,333	---	---	37,257	
	---	6,525	3,464	8,059	297	---	---	16,042	5,033	---	---	12,580	
	0	3	3	5	2	1	1	3	3	0	0	21	
Other	---	27,375	28,980	40,800	44,500	51,000	67,700	57,900	75,000	---	---	46,100	
	---	22,850	27,000	36,000	40,000	42,500	45,200	44,350	71,000	75,500	---	39,540	
	---	19,675	22,000	27,000	34,100	27,525	40,000	29,225	39,540	---	---	27,000	
	---	23,300	26,898	34,686	39,440	40,400	52,120	44,900	61,847	75,500	---	39,578	
	---	4,122	4,229	6,620	6,218	14,100	14,860	17,790	19,421	34,648	---	17,246	
	0	4	11	7	5	8	5	8	3	2	0	53	
No Response	---	---	29,600	---	---	---	---	52,500	---	---	---	45,000	
	---	25,350	25,000	---	---	48,000	---	45,000	---	---	---	29,600	
	---	---	23,000	---	---	---	---	38,680	---	---	---	23,000	
	---	25,350	25,277	---	---	48,000	---	45,472	---	---	---	33,533	
	---	4,455	4,397	---	---	---	---	8,728	---	---	---	11,873	
	0	2	7	0	0	1	0	5	0	0	0	15	
TOTAL	24,300	26,349	30,555	38,000	43,250	48,000	56,500	54,000	51,750	61,625	51,100	42,000	
	20,800	23,500	27,000	33,000	38,000	39,000	45,000	45,000	40,685	48,000	41,750	32,000	
	18,119	20,175	23,000	27,575	32,000	33,000	37,200	37,000	35,000	35,750	34,250	25,000	
	21,451	23,662	27,573	33,710	39,057	40,857	46,428	46,565	45,718	51,813	44,163	35,125	
	4,431	5,007	6,315	8,449	11,947	10,782	12,902	13,399	17,079	20,198	12,697	14,089	
	56	238	331	190	138	95	105	163	96	62	8	1,482	

Table 2.2.2.1

SALARIES of B.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY -MEN Only
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	---	40,200	48,925	51,250	56,750	60,000	65,000	52,000	62,000	---	55,000	- 75th %-ile
	---	20,000	30,550	40,000	42,250	48,000	55,000	48,480	40,000	50,000	51,000	45,700	- 50th %-ile
	---	---	27,675	34,250	37,725	35,170	48,000	45,000	35,000	40,000	---	38,000	- 25th %-ile
	---	20,000	33,000	41,392	44,456	46,660	54,211	53,015	49,136	57,536	51,000	48,125	- Mean
	---	7,693	6,916	8,125	16,339	11,697	10,460	17,005	19,186	21,728	26,870	16,521	- Std Dev
	0	2	6	12	20	9	15	21	11	11	2	109	- Count
Basic Research	21,400	27,550	29,975	35,000	43,000	44,430	---	59,750	---	---	---	35,000	
	20,000	24,425	27,150	31,000	35,500	36,525	---	43,000	36,000	45,000	---	27,600	
	19,000	21,851	24,125	23,800	30,537	28,500	---	36,750	---	---	---	23,775	
	20,049	24,607	27,690	29,227	42,125	37,715	---	46,500	36,000	45,000	---	30,589	
	2,019	3,128	5,024	7,499	21,928	12,306	---	12,923	---	---	---	11,925	
	7	12	20	11	8	6	0	4	1	1	0	70	
Applied R&D	28,300	25,075	32,150	36,500	44,000	46,420	45,000	52,000	47,000	59,500	46,000	41,000	
	21,600	22,960	27,092	30,350	33,750	39,000	41,400	45,500	40,685	42,500	41,750	32,000	
	18,000	20,000	24,000	27,900	31,000	33,760	34,000	37,000	32,950	33,500	34,875	25,000	
	22,598	22,973	28,271	32,056	38,015	40,182	40,078	46,004	40,354	48,749	40,875	34,075	
	5,248	3,793	6,080	6,701	8,771	7,789	9,764	11,065	9,962	18,991	6,088	11,711	
	11	58	77	46	30	25	23	42	22	16	4	354	
Gen Mgt	---	---	35,934	39,620	50,000	57,750	67,950	62,000	75,000	87,750	---	60,000	
	---	25,400	30,000	36,000	40,000	48,500	58,000	52,500	60,000	61,500	---	47,000	
	---	---	24,900	31,500	36,000	39,400	51,975	38,900	41,000	44,500	---	35,250	
	---	25,400	31,485	36,304	41,573	48,550	61,205	51,446	61,300	62,111	---	49,210	
	---	---	8,575	6,343	6,608	9,529	14,416	17,036	23,268	22,072	---	18,647	
	0	1	9	9	11	4	9	13	11	9	0	76	
Marketing	---	33,000	38,000	46,000	59,500	47,180	56,750	58,500	59,875	64,700	---	50,000	
	24,950	24,000	33,840	33,800	45,000	40,068	45,000	48,000	41,000	49,960	---	40,000	
	---	21,375	28,000	30,900	37,625	38,640	40,500	42,000	35,125	43,050	---	31,950	
	24,950	27,186	33,184	37,751	48,438	43,308	46,688	49,124	48,038	51,177	---	41,525	
	1,626	9,506	6,686	10,616	12,709	9,240	10,005	10,534	18,817	15,141	---	13,453	
	2	14	31	17	8	11	16	27	12	12	0	150	
Prod & QC	25,917	28,600	30,000	38,125	39,990	50,000	55,250	44,250	43,300	45,000	---	36,700	
	24,300	24,000	27,000	33,300	35,440	37,000	40,000	37,200	35,000	29,800	52,800	30,000	
	18,600	20,736	23,000	26,000	30,603	32,975	30,615	28,750	27,300	28,000	---	24,939	
	23,333	24,040	26,910	33,765	35,051	40,068	42,495	37,672	36,092	37,146	52,800	31,901	
	5,577	5,456	5,178	9,145	8,935	11,018	13,498	10,706	11,595	16,136	---	10,531	
	8	43	57	46	28	14	16	21	13	7	1	254	
Forensic	23,600	27,500	26,000	36,750	40,000	---	40,656	50,640	---	---	---	36,050	
	20,388	23,500	22,500	32,000	36,600	30,500	36,448	40,500	34,500	24,000	---	30,000	
	13,500	16,736	21,000	28,000	30,870	---	30,713	33,050	---	---	---	23,000	
	19,163	22,664	23,914	32,778	36,867	30,500	35,939	41,576	34,500	24,000	---	29,872	
	5,160	6,872	3,869	6,043	13,157	707	5,350	9,913	9,192	---	---	9,812	
	3	9	11	9	7	2	4	5	2	1	0	53	
Writing/ Editing	---	---	---	---	---	---	---	---	---	---	---	53,400	
	---	---	---	37,500	---	---	---	53,400	---	---	---	38,000	
	---	---	---	---	---	---	---	---	---	---	---	37,000	
	---	---	---	37,500	---	---	---	53,400	---	---	---	42,800	
	---	---	---	707	---	---	---	---	---	---	---	9,193	
	0	0	0	2	0	0	0	1	0	0	0	3	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	41,000	
	---	---	---	23,000	---	---	39,000	---	41,000	---	---	39,000	
	---	---	---	---	---	---	---	---	---	---	---	23,000	
	---	---	---	23,000	---	---	39,000	---	41,000	---	---	34,333	
	---	---	---	---	---	---	---	---	---	---	---	9,866	
	0	0	0	1	0	0	1	0	1	0	0	3	
Consulting	---	32,500	---	45,100	---	---	---	---	39,000	---	---	45,750	
	---	25,020	28,000	35,700	39,990	45,000	56,000	63,000	35,000	---	---	35,700	
	---	19,500	---	32,750	---	---	---	---	29,000	---	---	28,750	
	---	25,673	28,000	37,850	39,990	45,000	56,000	63,000	34,333	---	---	38,578	
	---	6,525	0	7,011	297	---	---	12,728	5,033	---	---	12,757	
	0	3	2	4	2	1	1	2	3	0	0	18	
Other	---	---	28,980	40,850	45,750	55,500	67,700	64,650	75,000	---	---	47,750	
	---	23,750	27,200	38,000	40,100	45,000	45,200	44,500	71,000	100,000	---	40,000	
	---	---	26,000	31,500	32,050	35,275	40,000	23,975	39,540	---	---	28,000	
	---	23,750	26,840	36,300	39,300	44,517	52,120	45,083	61,847	100,000	---	42,353	
	---	6,010	3,378	5,541	7,171	14,020	14,860	20,979	19,421	---	---	18,173	
	0	2	7	6	4	6	5	6	3	1	0	40	
No Response	---	---	30,840	---	---	---	---	56,250	---	---	---	45,000	
	---	25,350	24,580	---	---	48,000	---	42,180	---	---	---	32,400	
	---	---	23,000	---	---	---	---	38,340	---	---	---	23,000	
	---	25,350	26,140	---	---	48,000	---	45,590	---	---	---	35,056	
	---	4,455	4,431	---	---	---	---	10,073	---	---	---	12,251	
	0	2	4	0	0	1	0	4	0	0	0	11	
TOTAL	25,600	27,025	32,000	39,000	44,000	48,000	57,000	54,238	51,000	62,250	52,800	43,650	
	21,400	23,700	27,850	33,300	38,000	40,000	44,500	45,250	40,370	46,500	46,000	34,000	
	18,475	20,577	24,425	28,000	32,358	35,000	38,750	37,425	35,000	35,750	34,000	26,130	
	22,031	23,881	28,509	34,213	39,729	41,815	46,801	46,972	45,352	51,983	45,471	36,906	
	4,690	5,381	6,193	8,390	12,223	10,109	13,103	13,586	17,470	20,617	13,118	14,381	
	31	146	224	163	118	79	90	146	79	58	7	1,141	

Table 2.2.2.2

SALARIES of B.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY -WOMEN Only
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	---	56,000	---	---	---	---	---	---	---	---	52,000	- 75th %-ile
	---	16,224	35,000	42,000	26,250	32,220	36,000	56,000	40,000	58,000	---	36,000	- 50th %-ile
	---	---	29,984	---	---	---	---	---	---	---	---	31,102	- 25th %-ile
	---	16,224	40,328	42,000	26,250	32,220	36,000	56,000	40,000	58,000	---	39,225	- Mean
	---	---	13,802	---	12,374	---	---	11,314	---	---	---	14,476	- Std Dev
	0	1	3	1	2	1	1	2	1	1	0	13	- Count
Basic Research	24,975	24,500	26,550	34,100	40,000	---	---	---	---	---	---	27,750	
	24,200	22,000	22,650	25,500	30,700	40,680	---	35,750	34,000	---	---	24,000	
	21,000	19,824	19,999	22,050	28,000	---	---	---	---	---	---	21,000	
	23,450	22,364	23,079	27,560	32,900	40,680	---	35,750	34,000	---	---	25,412	
	1,961	4,061	2,974	6,167	6,295	10,861	---	1,061	---	---	---	6,433	
	6	19	10	5	3	2	0	2	1	0	0	48	
Applied R&D	23,040	28,850	29,850	31,875	40,000	35,160	---	---	55,460	---	---	30,490	
	20,600	25,000	25,100	28,000	36,000	31,820	46,000	36,300	45,670	---	---	25,850	
	19,200	21,775	22,450	23,500	30,000	19,000	---	---	37,350	---	---	22,000	
	22,149	24,984	25,981	27,750	35,333	28,660	46,000	36,300	46,160	---	---	27,003	
	4,654	4,420	5,074	4,589	5,033	9,341	---	16,546	9,452	---	---	7,262	
	7	38	38	5	3	4	1	2	4	0	0	102	
Gen Mgt	---	---	35,000	---	---	---	---	---	---	---	---	48,000	
	---	26,000	25,000	---	---	34,000	48,000	---	75,000	---	---	34,000	
	---	---	25,000	---	---	---	---	---	---	---	---	25,000	
	---	26,000	28,333	---	---	34,000	48,000	---	75,000	---	---	38,286	
	---	---	5,774	---	---	---	---	---	---	---	---	18,145	
	0	1	3	0	0	1	1	0	1	0	0	7	
Marketing	---	25,250	32,925	40,000	---	51,648	---	---	---	---	---	34,250	
	---	23,000	30,850	33,000	29,000	31,000	---	---	40,000	---	---	27,500	
	---	21,800	25,625	26,000	---	23,000	---	---	---	---	---	23,000	
	---	23,420	29,800	33,000	29,000	35,216	---	---	40,000	---	---	29,942	
	---	1,756	3,974	7,000	12,728	14,782	---	---	---	---	---	8,345	
	0	5	4	3	2	3	0	0	1	0	0	18	
Prod & QC	20,500	24,550	30,000	33,000	---	---	47,675	---	---	---	---	30,000	
	17,000	21,120	27,435	27,300	---	36,000	32,850	35,200	41,500	---	---	25,750	
	15,725	18,510	20,875	25,200	---	---	29,725	---	---	---	---	19,164	
	18,206	21,395	25,517	28,740	---	36,000	36,750	35,200	41,500	---	---	25,573	
	3,808	4,043	5,736	4,567	---	---	10,414	6,788	7,778	---	---	7,806	
	9	13	26	5	0	1	4	2	2	0	0	62	
Forensic	21,720	23,350	23,625	---	42,000	---	---	---	---	---	---	26,750	
	20,000	21,100	21,900	---	36,000	48,000	---	---	---	---	---	21,400	
	17,000	17,250	16,575	---	22,750	---	---	---	---	---	---	17,500	
	19,573	20,530	20,700	---	33,100	48,000	---	---	---	---	---	24,727	
	2,389	3,104	3,957	---	10,597	---	---	---	---	---	---	9,361	
	3	8	4	0	5	1	0	0	0	0	0	21	
Writing/ Editing	---	---	24,720	---	---	---	---	---	---	---	---	32,396	
	---	21,320	24,000	29,000	---	---	58,000	38,500	28,698	---	---	26,040	
	---	---	22,900	---	---	---	---	---	---	---	---	24,000	
	---	21,320	23,873	29,000	---	---	58,000	38,500	28,698	---	---	30,514	
	---	6,675	917	---	---	---	---	16,263	5,230	---	---	12,375	
	0	2	3	1	0	0	1	2	2	0	0	11	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	33,750	---	---	---	---	33,750	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	33,750	---	---	---	---	33,750	
	---	---	---	---	---	---	3,182	---	---	---	---	3,182	
	0	0	0	0	0	0	2	0	0	0	0	2	
Consulting	---	---	---	---	---	---	---	---	---	---	---	40,000	
	---	---	22,000	26,000	---	---	---	40,000	---	---	---	26,000	
	---	---	---	---	---	---	---	---	---	---	---	22,000	
	---	---	22,000	26,000	---	---	---	40,000	---	---	---	29,333	
	---	---	---	---	---	---	---	---	---	---	---	9,452	
	0	0	1	1	0	0	0	1	0	0	0	3	
Other	---	---	29,750	---	---	---	---	---	---	---	---	37,750	
	---	22,850	24,000	25,000	40,000	28,050	---	41,700	---	51,000	---	26,500	
	---	---	19,000	---	---	---	---	---	---	---	---	22,750	
	---	22,850	24,250	25,000	40,000	28,050	---	41,700	---	51,000	---	29,708	
	---	3,748	5,560	---	---	1,485	---	---	---	---	---	9,784	
	0	2	4	1	1	2	0	1	0	1	0	12	
No Response	---	---	29,600	---	---	---	---	---	---	---	---	41,150	
	---	---	23,000	---	---	---	---	45,000	---	---	---	26,300	
	---	---	19,776	---	---	---	---	---	---	---	---	20,582	
	---	---	24,125	---	---	---	---	45,000	---	---	---	29,344	
	---	---	5,008	---	---	---	---	---	---	---	---	11,210	
	0	0	3	0	0	0	0	1	0	0	0	4	
TOTAL	23,520	26,000	29,800	33,050	40,000	36,000	49,000	48,000	47,630	---	---	31,000	
	20,600	23,000	25,000	27,650	35,500	32,640	36,000	40,000	40,000	54,500	---	25,500	
	17,500	20,020	22,000	25,375	28,125	29,100	31,375	32,700	34,325	---	---	21,600	
	20,732	23,195	25,783	29,148	32,544	33,865	40,250	40,785	42,836	54,500	---	27,593	
	4,065	4,332	5,961	5,681	8,483	9,638	9,973	10,644	13,253	4,950	---	9,127	
	25	89	99	22	16	15	10	13	12	2	0	303	

Table 2.2.3

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by SUBORDINATES (PROFESSIONALS + TECHNICIANS) and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SUBORDINATES (Profs + Techs)	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
0	24,550	25,500	29,250	36,500	40,000	40,767	43,500	49,990	45,670	62,375	---	35,075	- 75th %-ile
	20,600	23,000	25,600	30,000	31,850	36,000	38,000	41,000	39,000	47,900	33,000	28,000	- 50th %-ile
	18,000	20,000	22,000	26,000	28,875	30,250	31,000	34,950	34,350	31,100	---	22,500	- 25th %-ile
	21,107	23,174	26,054	31,624	33,669	35,986	38,602	42,790	41,654	50,992	33,000	30,292	- Mean
	4,285	4,942	5,716	8,582	9,487	8,715	9,430	11,628	15,332	20,556	1,414	11,525	- Std Dev
	41	164	181	77	42	40	29	57	41	20	2	694	- Count
1-2	23,600	27,125	32,200	38,000	42,250	48,000	45,000	51,250	46,750	49,000	---	40,000	
	19,000	24,000	28,550	33,500	36,750	39,800	40,000	42,000	40,270	36,240	36,250	33,000	
	17,000	21,000	24,500	29,750	33,000	32,000	33,000	36,900	30,175	29,250	---	26,040	
	19,755	24,139	28,708	33,921	38,153	42,683	39,407	44,241	40,116	40,363	36,250	34,094	
	2,955	4,985	5,770	6,338	7,019	11,944	8,641	11,489	13,557	14,065	1,768	10,722	
	7	42	80	41	38	19	23	30	20	14	2	316	
3-7	32,000	30,000	33,000	40,000	45,000	49,575	59,000	54,963	56,650	71,000	---	48,000	
	23,000	24,595	29,000	31,900	40,000	40,250	54,000	46,000	42,000	49,000	46,000	36,000	
	20,400	20,817	25,500	26,400	30,870	35,255	48,550	39,020	38,000	40,000	---	29,000	
	25,143	25,180	29,595	33,572	40,617	43,913	54,534	47,009	46,419	53,460	46,000	39,404	
	5,360	5,077	6,421	8,331	15,825	10,624	13,182	12,838	12,471	20,680	0	14,669	
	7	26	51	44	23	22	25	46	21	15	2	282	
8-12	---	28,500	32,914	40,120	51,000	50,787	60,000	53,800	84,250	61,500	---	51,912	
	21,600	25,400	28,992	35,000	43,000	49,000	55,500	50,000	55,000	54,000	---	42,000	
	---	22,500	26,875	32,000	35,440	38,055	47,524	44,625	37,500	43,000	---	33,150	
	21,600	25,480	28,843	36,416	43,919	45,395	51,865	51,050	59,700	51,943	---	43,353	
	---	3,202	4,774	7,302	9,985	7,692	9,751	11,714	26,085	9,844	---	13,606	
	1	5	8	17	21	6	12	10	5	7	0	92	
13-17	---	---	42,010	50,000	77,350	58,250	59,200	---	---	82,750	---	60,000	
	---	---	28,332	43,000	39,960	46,500	58,000	52,900	70,000	65,000	---	49,000	
	---	---	25,000	37,000	36,500	35,500	44,000	---	---	52,500	---	38,250	
	---	---	33,468	43,333	53,532	46,750	52,880	52,900	70,000	66,750	---	49,879	
	---	---	10,159	6,506	25,028	11,871	8,618	12,869	0	15,777	---	17,013	
	0	0	7	3	5	4	5	2	2	4	0	32	
18-22	---	---	31,000	46,000	43,025	---	67,500	51,375	93,000	---	---	49,125	
	---	35,160	27,000	32,000	40,050	---	55,500	46,070	75,000	---	---	45,000	
	---	---	26,000	28,200	35,500	---	45,000	45,000	32,000	---	---	32,000	
	---	35,160	28,000	35,400	39,525	---	56,000	45,955	66,667	---	---	45,196	
	---	---	2,646	9,374	4,127	---	12,728	12,455	31,342	---	---	16,776	
	0	1	3	3	4	0	4	8	3	0	0	26	
23-32	---	---	---	60,000	---	---	71,750	71,375	---	---	---	70,500	
	---	---	---	52,160	56,500	38,000	52,500	57,750	67,500	95,000	52,800	57,500	
	---	---	---	46,000	---	---	42,250	42,250	---	---	---	43,750	
	---	---	---	52,720	56,500	38,000	55,500	57,125	67,500	95,000	52,800	57,914	
	---	---	---	7,017	17,678	---	15,927	15,288	10,607	---	---	15,489	
	0	0	0	3	2	1	4	4	2	1	1	18	
33-47	---	---	---	---	---	65,000	---	---	---	---	---	66,250	
	---	---	56,000	40,000	34,800	54,500	43,000	---	51,000	100,000	70,000	52,750	
	---	---	---	---	---	48,000	---	---	---	---	---	42,250	
	---	---	56,000	40,000	34,800	55,833	43,000	---	51,000	100,000	70,000	56,230	
	---	---	---	---	---	8,578	---	---	---	---	---	18,792	
	0	0	1	1	1	3	1	0	1	1	1	10	
48-67	---	---	---	---	---	---	---	73,750	---	---	---	70,000	
	---	---	---	48,500	48,000	---	55,000	67,500	---	---	---	64,000	
	---	---	---	---	---	---	---	64,250	---	---	---	46,250	
	---	---	---	48,500	48,000	---	55,000	68,500	---	---	---	58,722	
	---	---	---	---	5,657	---	21,213	5,066	---	---	---	12,765	
	0	0	0	1	2	0	2	4	0	0	0	9	
68-99	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	90,000	79,500	---	---	84,750	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	90,000	79,500	---	---	84,750	
	---	---	---	---	---	---	---	---	---	---	---	7,425	
	0	0	0	0	0	0	0	1	1	0	0	2	
>=100	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	85,000	---	---	---	85,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	85,000	---	---	---	85,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	1	0	0	0	1	
TOTAL	24,300	26,349	30,555	38,000	43,250	48,000	56,500	54,000	51,750	61,625	51,100	42,000	
	10,800	23,500	27,000	33,000	38,000	39,000	45,000	45,000	40,685	48,000	41,750	32,000	
	18,119	20,175	23,000	27,575	32,000	33,000	37,200	37,000	35,000	35,750	34,250	25,000	
	21,451	23,662	27,573	33,710	39,057	40,857	46,428	46,565	45,718	51,813	44,163	35,125	
	4,431	5,007	6,315	8,449	11,947	10,782	12,902	13,399	17,079	20,198	12,697	14,089	
	56	238	331	190	138	95	105	163	96	62	8	1,482	

Table 2.2.4

SALARIES of FULL-TIME EMPLOYED B.S.CHEMISTS IN PRIVATE INDUSTRY
by TOTAL NUMBER OF SUBORDINATES and YEARS SINCE BS
1984 Survey of ACS Members

TOTAL SUBORDINATES	YEARS SINCE BS												
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
0	24,550	26,000	29,325	36,250	40,000	40,767	43,000	49,980	44,585	60,050	---	35,000	- 75th %-ile
	20,600	23,000	25,350	30,300	31,850	36,000	37,300	40,500	39,000	43,200	33,000	27,750	- 50th %-ile
	18,000	20,040	22,000	25,900	28,875	30,250	31,000	34,900	34,675	29,510	---	22,500	- 25th %-ile
	21,107	23,317	25,962	31,629	33,976	35,986	37,745	42,400	42,100	49,049	33,000	30,117	- Mean
	4,285	4,915	5,623	8,706	9,514	8,715	8,374	11,539	15,539	21,474	1,414	11,286	- Std Dev
	41	159	172	74	38	40	28	55	38	17	2	664	- Count
1-2	23,600	26,170	31,800	38,000	41,500	48,000	45,150	52,000	46,000	58,500	---	40,000	
	19,000	24,000	28,250	33,800	36,500	39,800	40,500	42,000	41,000	44,000	36,250	32,700	
	17,000	20,500	24,930	29,250	32,800	34,000	33,500	37,500	30,000	31,500	---	26,040	
	19,755	23,737	28,735	33,994	37,493	42,411	41,278	46,097	39,141	44,863	36,250	34,156	
	2,955	4,879	5,882	6,340	6,744	10,920	10,136	10,959	11,334	15,659	1,768	10,915	
	7	41	78	41	37	17	20	27	15	14	2	299	
3-7	32,000	30,000	32,550	36,000	44,125	48,545	57,000	53,715	50,500	71,000	---	45,350	
	23,000	24,000	28,250	31,800	39,050	37,600	51,175	46,000	40,000	47,000	46,000	35,000	
	20,400	20,184	24,500	26,000	31,903	35,000	41,033	37,250	32,750	30,000	---	27,400	
	25,143	24,639	29,103	32,945	39,716	42,186	49,818	46,080	43,591	52,127	46,000	37,574	
	5,360	5,653	6,410	8,025	15,341	10,109	11,618	13,222	14,579	21,546	0	14,094	
	7	28	58	43	24	22	20	44	22	15	2	285	
8-12	---	27,125	32,828	39,810	50,000	57,324	60,000	52,800	66,750	62,000	---	51,486	
	21,600	24,700	28,000	33,800	43,000	50,500	55,000	49,000	49,500	54,000	---	40,000	
	---	22,750	24,250	32,000	35,000	36,110	39,500	43,875	36,250	43,000	---	32,268	
	21,600	24,817	28,082	35,068	43,542	47,474	50,953	46,500	54,750	52,871	---	42,474	
	---	2,200	5,015	6,939	11,693	11,792	12,308	10,015	22,155	9,677	---	14,205	
	1	6	9	16	19	5	13	12	8	7	0	96	
13-17	---	---	41,250	50,000	60,000	---	60,000	66,500	---	70,000	---	50,500	
	---	24,000	30,666	43,000	39,960	37,000	53,000	47,500	60,250	50,000	---	43,800	
	---	---	25,036	35,000	37,000	---	46,000	43,350	---	45,000	---	35,000	
	---	24,000	33,410	42,667	50,318	37,000	52,333	53,800	60,250	55,000	---	45,944	
	---	8,485	9,407	7,506	21,378	4,243	8,238	14,730	13,789	13,229	---	15,682	
	0	2	8	3	7	2	6	6	2	3	0	39	
18-22	---	---	35,000	46,750	48,000	60,000	66,500	51,035	---	---	---	52,750	
	---	32,080	27,000	41,500	40,100	53,000	61,200	45,820	33,500	---	---	45,000	
	---	---	26,000	30,400	34,500	50,000	55,050	45,000	---	---	---	35,000	
	---	32,080	29,333	39,550	41,020	54,333	59,967	47,285	33,500	---	---	44,634	
	---	4,356	4,933	8,802	7,345	5,132	8,165	3,562	2,121	---	---	12,100	
	0	2	3	4	5	3	6	4	2	0	0	29	
23-32	---	---	---	52,120	69,000	---	43,000	65,000	---	---	---	60,000	
	---	---	36,868	49,000	44,000	38,000	42,000	55,000	76,500	30,000	52,800	46,000	
	---	---	---	35,500	40,000	---	40,000	38,000	---	---	---	38,000	
	---	---	36,868	45,540	51,000	38,000	41,667	51,643	76,500	30,000	52,800	49,232	
	---	---	---	9,471	15,716	---	1,528	18,323	23,335	---	---	16,169	
	0	0	1	4	3	1	3	7	2	1	1	23	
33-47	---	---	---	55,000	---	65,000	62,000	---	---	---	---	62,000	
	---	---	56,000	40,000	35,400	54,500	45,000	45,500	51,000	95,000	70,000	48,000	
	---	---	---	37,000	---	48,000	43,000	---	---	---	---	40,000	
	---	---	56,000	44,000	35,400	56,100	50,000	45,500	51,000	95,000	70,000	52,358	
	---	---	---	10,832	849	8,547	10,440	---	---	---	---	14,899	
	0	0	1	4	2	5	3	1	1	1	1	19	
48-67	---	---	---	---	---	---	70,000	75,000	75,000	---	---	70,000	
	---	---	31,000	48,500	48,000	---	50,000	65,000	70,000	60,000	---	56,000	
	---	---	---	---	---	---	40,000	64,000	50,000	---	---	47,375	
	---	---	31,000	48,500	48,000	---	53,333	68,000	65,000	60,000	---	56,750	
	---	---	---	---	5,657	---	15,275	6,083	13,229	---	---	13,690	
	0	0	1	1	2	0	3	3	3	1	0	14	
68-99	---	---	---	---	---	---	---	---	---	---	---	88,250	
	---	---	---	---	54,000	---	92,000	---	71,750	74,250	---	71,750	
	---	---	---	---	---	---	---	---	---	---	---	59,625	
	---	---	---	---	54,000	---	92,000	---	71,750	74,250	---	73,000	
	---	---	---	---	---	---	---	---	10,960	18,031	---	15,320	
	0	0	0	0	1	0	1	0	2	2	0	6	
>=100	---	---	---	---	---	---	---	88,750	---	---	---	88,750	
	---	---	---	---	---	---	66,500	77,500	75,000	100,000	---	75,000	
	---	---	---	---	---	---	---	62,500	---	---	---	62,500	
	---	---	---	---	---	---	66,500	76,250	75,000	100,000	---	76,625	
	---	---	---	---	---	---	12,021	13,769	---	---	---	14,481	
	0	0	0	0	0	0	2	4	1	1	0	8	
TOTAL	24,300	26,349	30,555	38,000	43,250	48,000	56,500	54,000	51,750	61,625	51,100	42,000	
	20,800	23,500	27,000	33,000	38,000	39,000	45,000	45,000	40,685	48,000	41,750	32,000	
	18,119	20,175	23,000	27,575	32,000	33,000	37,200	37,000	35,000	35,750	34,250	25,000	
	21,451	23,662	27,573	33,710	39,057	40,857	46,428	46,565	45,718	51,813	44,163	35,125	
	4,431	5,007	6,315	8,449	11,947	10,782	12,902	13,399	17,079	20,198	12,697	14,089	
	56	238	331	190	138	95	105	163	96	62	8	1,482	

Table 2.2.5

SALARIES of B.S. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by INDUSTRY EMPLOYERS and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mfg Chem	24,475	26,648	33,645	43,000	50,000	50,000	55,750	57,000	61,500	60,000	70,000	47,000	- 75th %-ile
	20,200	24,840	28,250	33,000	42,250	40,068	45,000	47,000	42,000	50,000	37,500	36,000	- 50th %-ile
	17,425	21,900	24,875	27,345	34,875	35,000	37,800	40,000	36,000	43,000	34,000	27,069	- 25th %-ile
	20,684	24,195	28,637	34,843	42,002	42,708	45,864	47,944	49,819	52,342	47,167	38,768	- Mean
	3,850	3,729	5,746	10,406	11,365	11,159	12,344	13,535	20,437	16,107	19,852	14,926	- Std Dev
	10	53	74	50	40	39	48	59	31	27	3	434	- Count
Mfg Coatings	29,400	24,000	31,040	36,000	47,250	35,500	50,075	58,500	46,000	83,500	---	40,000	
	20,800	20,000	26,120	29,000	37,000	32,000	48,550	45,820	40,000	57,000	---	30,800	
	17,750	18,000	24,540	25,500	23,000	29,000	39,750	37,250	37,500	31,620	---	24,000	
	22,650	21,519	27,310	30,867	40,500	32,200	46,125	48,396	41,400	57,360	---	34,389	
	6,518	4,789	5,555	7,149	22,663	4,324	6,162	13,835	5,459	24,318	---	15,863	
	4	19	30	9	9	5	4	16	5	8	0	109	
Mfg Food	---	24,050	28,500	40,000	55,025	---	53,200	43,000	75,000	95,000	---	41,850	
	20,000	21,000	23,000	35,000	37,050	34,750	40,000	37,200	70,000	60,000	46,000	30,350	
	---	16,700	20,106	24,200	24,775	---	35,000	30,600	44,000	43,200	---	22,150	
	20,000	20,500	24,598	33,386	38,950	34,750	43,280	39,971	63,000	66,067	46,000	34,805	
	4,243	4,073	4,888	7,774	15,984	27,931	12,502	12,558	16,643	26,428	---	16,625	
	2	5	17	7	4	2	5	7	3	3	1	56	
Mfg Metals/ minerals	---	26,950	30,350	38,000	39,975	40,000	92,000	46,700	41,000	---	---	39,975	
	22,000	24,000	26,000	35,000	37,890	35,450	43,000	40,000	32,000	50,000	---	33,336	
	---	21,475	20,700	29,000	35,220	33,300	28,850	36,000	24,600	---	---	25,550	
	22,000	24,170	25,700	34,406	37,695	36,250	54,617	41,767	36,271	50,000	---	34,402	
	5,657	2,994	5,633	7,739	2,629	3,421	33,139	6,070	15,089	---	---	12,338	
	2	5	13	11	4	3	3	11	7	1	0	60	
Mfg Paper	---	35,000	35,875	---	38,500	---	---	---	---	---	---	39,000	
	19,000	21,600	26,054	32,750	30,870	---	50,500	---	40,350	72,000	---	30,870	
	---	21,000	21,672	---	29,818	---	---	---	---	---	---	25,608	
	19,000	25,867	27,867	32,750	33,501	---	50,500	---	40,350	72,000	---	33,909	
	---	7,915	7,901	1,061	4,914	---	---	---	13,647	---	---	12,849	
	1	3	4	2	5	0	1	0	2	1	0	19	
Mfg Petroleum	---	32,000	31,375	52,000	39,000	---	61,500	56,280	68,500	92,750	---	52,400	
	28,300	25,440	29,500	37,000	36,000	42,820	52,500	52,860	61,300	68,550	52,800	34,000	
	---	23,600	25,000	32,292	30,000	---	41,250	48,000	46,000	36,775	---	27,125	
	28,300	28,523	29,117	40,542	41,243	42,820	51,000	54,949	55,684	66,025	52,800	40,787	
	---	7,532	4,915	13,513	24,696	14,397	12,869	12,298	16,368	30,011	---	17,889	
	1	15	16	7	7	2	6	7	7	4	1	73	
Mfg Pharm	24,000	24,966	30,000	35,000	43,250	49,100	58,000	59,850	50,375	83,250	---	36,750	
	21,000	22,580	26,500	30,600	35,500	41,000	47,365	46,085	40,500	31,400	---	28,200	
	18,900	21,000	22,900	27,000	31,325	34,000	40,000	34,150	35,475	28,750	---	23,061	
	21,438	22,852	27,392	31,737	37,236	42,852	45,398	48,139	45,875	47,800	---	31,827	
	4,538	3,632	7,285	6,735	7,488	12,004	11,771	18,017	18,559	34,853	---	12,820	
	15	48	59	39	22	19	7	12	12	4	0	237	
Mfg Rubber	---	31,200	29,250	---	45,676	---	42,375	55,000	64,000	---	---	42,125	
	---	26,550	26,718	40,000	37,500	36,750	41,800	50,000	36,000	26,000	---	35,500	
	---	22,675	24,646	---	33,500	---	38,900	40,000	33,000	---	---	28,175	
	---	26,467	26,221	40,000	38,892	36,750	41,025	48,669	43,910	26,000	---	37,455	
	---	4,820	3,549	---	6,490	2,475	2,050	8,759	16,177	---	---	11,985	
	0	6	8	1	4	2	4	9	7	1	0	42	
Mfg Other	25,000	27,875	32,375	37,375	41,015	47,500	61,175	50,000	50,000	43,750	---	40,000	
	21,360	23,781	28,000	33,100	37,750	40,000	48,500	43,100	40,000	39,050	39,000	32,000	
	19,625	20,000	23,000	27,250	33,500	36,000	36,125	35,000	35,000	29,500	---	25,000	
	21,646	23,800	28,195	32,579	39,051	41,757	48,956	43,423	41,017	38,820	39,000	33,605	
	3,216	5,078	6,575	6,701	8,273	8,163	14,741	12,751	9,506	10,578	9,899	11,546	
	10	56	68	40	32	17	18	32	15	10	2	300	
Non-Mfg	24,000	24,000	28,985	40,000	40,200	37,900	54,000	56,513	39,000	63,000	---	36,000	
	20,600	20,922	25,500	35,000	32,600	32,500	40,044	51,250	35,000	58,000	35,000	28,000	
	17,000	18,250	21,825	29,875	24,000	27,775	31,926	28,825	29,000	28,000	---	22,000	
	21,318	22,256	26,558	35,107	32,562	32,217	43,238	45,795	35,857	49,667	35,000	30,587	
	5,634	6,005	7,109	8,029	11,585	6,612	11,784	16,778	11,553	18,930	---	11,721	
	11	23	42	24	11	6	9	10	7	3	1	152	
TOTAL	24,300	26,349	30,555	38,000	43,250	48,000	56,500	54,000	51,750	61,625	51,100	42,000	
	20,800	23,500	27,000	33,000	38,000	39,000	45,000	45,000	40,685	48,000	41,750	32,000	
	18,119	20,175	23,000	27,575	32,000	33,000	37,200	37,000	35,000	35,750	34,250	25,000	
	21,451	23,602	27,573	33,710	39,057	40,857	46,428	46,565	45,718	51,813	44,163	35,125	
	4,431	5,007	6,315	8,449	11,947	10,782	12,902	13,399	17,079	20,198	12,697	14,089	
	56	238	331	190	138	95	105	163	96	62	8	1,482	

Table 2.2.6

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN PRIVATE INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
1984 Survey of ACS Members

REGION	YEARS SINCE BS												
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Pacific	---	26,825	33,500	40,500	47,500	42,500	54,000	63,400	40,000	87,000	51,100	42,000	- 75th %-ile
	33,000	23,712	28,000	37,750	36,000	39,000	42,500	53,000	35,000	73,000	41,750	33,000	- 50th %-ile
	---	19,850	24,750	32,563	28,318	31,000	38,250	40,250	24,000	29,220	34,250	26,300	- 25th %-ile
	33,000	23,488	29,206	37,883	38,049	37,009	45,000	51,675	33,000	63,073	44,163	36,332	- Mean
	---	4,372	7,017	8,361	14,639	7,220	9,675	17,095	8,185	30,142	12,697	14,064	- Std Dev
	1	16	34	14	13	11	6	14	3	3	8	123	- Count
Mountain	---	31,130	31,300	30,000	40,950	---	---	---	---	---	---	34,226	
	25,950	24,000	27,000	28,500	37,500	---	55,500	34,750	---	26,000	---	28,300	
	---	22,000	22,650	25,000	24,800	---	---	---	---	---	---	24,000	
	25,950	26,507	26,664	28,229	33,800	---	55,500	34,750	---	26,000	---	29,517	
	3,323	6,965	5,559	3,823	10,600	---	707	7,425	---	---	---	8,798	
	2	9	13	7	5	0	2	2	0	1	0	41	
W.N. Central	---	24,200	28,675	35,250	50,000	36,000	34,000	58,000	---	---	---	37,000	
	24,720	21,100	24,560	30,000	43,000	34,000	32,460	44,000	60,000	44,900	---	30,000	
	---	17,000	20,000	26,040	40,500	31,500	27,500	35,000	---	---	---	24,040	
	24,720	21,109	24,980	31,080	44,500	33,833	31,092	49,387	60,000	44,900	---	33,217	
	1,952	4,364	5,091	6,047	5,260	2,255	3,431	17,122	14,142	21,355	---	13,890	
	2	11	14	12	4	3	5	11	2	2	0	66	
W.S. Central	29,950	30,075	32,775	42,000	52,000	50,000	54,475	61,500	63,375	93,500	---	48,000	
	22,400	26,496	26,200	35,000	39,960	46,000	45,000	55,000	58,150	71,000	---	33,300	
	18,000	23,550	23,375	28,100	31,000	32,220	34,350	38,500	41,000	27,000	---	25,800	
	23,450	26,414	28,683	35,723	39,905	44,470	44,739	51,957	53,288	63,833	---	37,802	
	6,346	4,480	7,426	9,929	11,853	11,872	9,030	15,003	17,549	33,824	---	15,375	
	4	21	26	13	11	7	9	16	8	3	0	118	
E.N. Central	21,000	26,270	30,105	36,400	40,250	41,375	50,000	49,000	48,380	62,000	---	40,000	
	19,100	23,600	28,000	32,000	36,000	35,725	43,000	42,000	35,750	54,000	---	30,000	
	17,375	21,000	24,665	27,360	31,475	32,415	38,000	38,680	31,675	36,000	---	24,875	
	19,409	23,914	28,709	33,646	38,426	36,639	44,360	42,934	43,540	53,382	---	33,350	
	2,197	4,229	6,541	9,779	12,981	8,270	9,846	10,789	19,626	20,930	---	12,998	
	14	65	82	47	26	18	27	21	26	11	0	337	
E.S. Central	24,700	24,567	31,460	47,125	43,250	37,200	54,250	37,000	---	---	---	40,000	
	23,040	24,000	27,700	37,500	40,100	36,000	41,500	33,372	42,600	55,000	---	31,000	
	23,000	21,750	22,500	23,750	36,000	29,100	29,503	26,000	---	---	---	24,700	
	23,580	23,439	26,842	36,125	39,200	34,100	41,751	31,874	42,600	55,000	---	33,040	
	970	1,665	6,000	12,612	5,004	4,371	13,123	5,608	---	7,071	---	10,233	
	3	4	11	4	6	3	4	5	1	2	0	43	
Mid-Atlantic	24,800	26,000	30,025	39,000	41,000	50,300	59,500	54,700	52,350	51,000	---	43,150	
	20,200	25,340	26,750	33,000	37,000	40,000	47,850	45,000	41,000	43,000	---	33,000	
	18,500	20,000	23,000	29,300	35,000	32,500	39,261	35,750	35,650	30,000	---	25,700	
	21,443	23,560	26,833	34,492	38,648	42,102	50,420	46,550	48,559	42,473	---	35,875	
	3,553	6,124	5,227	7,647	7,864	12,470	14,400	13,013	18,985	12,181	---	13,909	
	15	43	62	39	31	29	20	41	21	15	0	316	
So. Atlantic	26,000	25,750	29,475	40,000	46,000	51,162	63,750	45,875	43,410	58,000	---	41,010	
	25,600	22,000	25,100	35,000	40,000	38,320	56,000	40,500	41,000	45,400	---	32,000	
	14,625	18,200	21,925	28,000	31,600	36,625	38,000	31,650	33,500	36,885	---	24,392	
	21,370	22,395	25,562	35,119	39,315	42,097	52,738	39,400	40,380	47,185	---	34,202	
	6,211	5,136	5,843	8,086	10,554	11,002	15,128	11,948	12,676	12,486	---	13,377	
	5	26	28	18	21	10	12	10	9	8	0	149	
New England	26,300	28,000	31,575	40,500	49,000	46,200	55,500	51,750	70,000	90,000	---	42,420	
	20,600	21,700	27,046	32,000	33,000	42,420	44,000	46,200	47,000	49,000	---	32,000	
	15,000	16,850	24,500	25,900	25,435	39,800	32,500	38,506	30,000	35,000	---	25,000	
	20,640	22,573	27,767	33,060	36,374	42,807	44,000	47,015	47,857	58,429	---	36,132	
	7,083	5,899	7,174	7,061	14,753	3,217	11,888	13,052	19,074	27,147	---	16,640	
	5	12	18	10	5	3	4	12	7	7	0	83	
No Response	22,800	24,500	30,800	37,100	49,392	53,000	62,250	54,000	50,000	74,625	---	45,175	
	20,388	22,200	28,000	31,250	38,750	48,000	44,000	48,000	40,370	56,710	---	34,350	
	16,500	20,100	22,084	23,625	28,500	40,000	35,000	40,000	36,000	42,900	---	24,000	
	19,798	23,144	27,046	30,991	41,842	48,122	47,117	48,221	44,779	59,512	---	37,050	
	3,446	4,128	6,288	7,436	18,798	11,721	15,666	10,616	12,814	21,859	---	15,664	
	5	29	43	26	16	11	16	31	19	10	0	206	
TOTAL	24,300	26,349	30,555	38,000	43,250	48,000	56,500	54,000	51,750	61,625	51,100	42,000	
	20,800	23,500	27,000	33,000	38,000	39,000	45,000	45,000	40,685	48,000	41,750	32,000	
	18,119	20,175	23,000	27,575	32,000	33,000	37,200	37,000	35,000	35,750	34,250	25,000	
	21,451	23,662	27,573	33,710	39,057	40,857	46,428	46,565	45,718	51,813	44,163	35,125	
	4,431	5,007	6,315	8,449	11,947	10,782	12,902	13,399	17,079	20,198	12,697	14,089	
	56	238	331	190	138	95	105	163	96	62	8	1,482	

Table 2.3.1

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	35,250	37,500	35,500	54,500	---	---	---	---	---	37,875 - 75th $-ile
	---	25,500	32,000	30,000	32,600	38,000	---	44,000	31,500	86,600	44,000	33,500 - 50th $-ile
	---	---	27,850	21,500	31,000	34,000	---	---	---	---	---	30,250 - 25th $-ile
	---	25,500	31,700	29,667	33,120	42,167	---	44,000	31,500	86,600	44,000	36,975 - Mean
	---	---	3,859	8,005	2,402	10,867	---	---	---	---	---	13,730 - Std Dev
	0	1	4	3	5	3	0	1	1	1	1	20 - Count
Agricultural/ food chemistry	---	---	33,200	42,500	---	61,100	45,000	77,500	---	---	---	45,000
	---	24,600	26,300	35,280	34,860	43,000	43,250	47,500	41,000	42,200	40,000	38,000
	---	---	22,700	28,000	---	35,500	38,000	36,500	---	---	---	28,000
	---	24,600	27,400	36,302	34,860	47,200	42,083	55,056	41,000	42,200	40,000	40,675
	---	849	5,593	8,508	6,873	12,941	3,643	24,567	---	---	21,213	16,161
	0	2	4	13	2	3	3	9	1	1	2	40
Analytical chemistry	---	28,350	32,725	36,000	42,750	49,750	55,750	49,200	56,475	---	62,500	41,910
	---	25,000	29,350	33,000	38,000	44,250	43,000	41,000	46,750	32,500	50,000	34,000
	---	20,000	25,550	29,000	32,000	31,932	38,500	35,750	41,075	---	39,250	30,000
	---	24,340	29,009	33,142	38,871	42,277	46,725	42,979	48,292	32,500	50,700	36,611
	---	4,351	5,482	5,925	10,802	10,532	11,150	9,713	9,068	12,021	14,873	10,538
	0	5	48	63	38	22	12	21	10	2	5	226
Environmental chemistry	---	---	34,038	36,625	41,000	59,000	46,750	---	59,375	---	---	40,000
	---	27,300	28,250	32,600	36,000	33,000	36,000	37,900	42,450	42,000	30,800	33,550
	---	---	25,063	28,875	28,700	25,750	35,500	---	34,675	---	---	28,000
	---	27,300	28,763	33,743	35,467	40,500	40,100	37,900	45,500	42,000	30,800	34,591
	---	---	7,354	9,057	6,435	17,226	6,148	2,970	13,885	---	3,960	10,041
	0	1	16	14	6	5	5	2	4	1	2	56
Organic chemistry	---	---	30,130	37,450	49,000	55,000	51,000	63,000	63,250	50,000	46,450	50,000
	---	23,000	27,120	33,400	40,000	50,000	44,000	47,460	50,000	50,000	39,000	40,500
	---	---	25,380	30,000	34,560	42,000	40,700	35,000	40,630	48,500	32,500	31,000
	---	23,000	27,867	33,766	42,482	50,089	45,234	49,882	50,444	49,500	39,263	42,228
	---	2,828	4,713	5,573	12,270	9,370	9,597	17,044	14,140	1,000	7,998	13,429
	0	2	17	25	21	19	11	20	18	4	8	145
Inorganic chemistry	---	---	31,975	45,000	51,000	55,000	---	---	47,520	---	---	48,015
	---	27,250	29,780	37,000	45,200	45,500	60,000	63,250	44,250	---	52,000	40,550
	---	---	27,390	32,125	32,000	38,000	---	---	50,000	---	---	31,750
	---	27,250	29,715	37,083	42,733	46,943	60,000	63,250	40,590	---	52,000	42,164
	---	1,061	2,383	8,028	9,737	9,244	---	35,709	9,316	---	8,485	13,585
	0	2	4	6	3	7	1	2	3	0	2	30
Pharmaceutical/ medicinal/ clinical chemistry	---	30,278	30,700	36,625	42,000	48,625	55,000	79,750	85,000	50,000	---	40,000
	---	26,200	26,750	33,250	38,900	44,500	35,000	54,425	57,500	40,000	40,000	35,190
	---	25,750	23,750	30,150	35,275	41,500	29,600	35,125	52,000	38,000	---	30,000
	---	27,651	27,325	33,985	39,735	44,875	39,867	57,558	64,833	42,667	40,000	37,031
	---	2,419	4,639	5,926	7,595	3,705	13,381	24,968	17,680	6,429	2,828	12,392
	0	5	22	26	26	4	3	6	3	3	2	100
Physical chemistry	---	---	35,000	43,750	67,500	---	56,000	---	90,000	75,100	---	60,000
	---	25,250	30,000	39,000	45,000	---	43,000	48,000	76,000	71,500	54,000	38,000
	---	---	24,400	32,150	31,050	---	18,600	---	36,000	40,000	---	30,000
	---	25,250	30,083	38,300	47,850	---	39,200	48,000	67,333	62,200	54,000	43,712
	---	3,182	5,477	6,150	20,112	---	20,576	16,971	28,024	19,310	25,456	19,353
	0	2	7	4	4	0	4	2	3	3	2	31
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	---
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	0	0	0	0	0	0	0	0	0	0	0	0
Polymer/ macromolecular chemistry	---	32,000	36,000	45,500	48,375	57,970	51,750	53,000	51,500	51,400	85,000	48,180
	---	28,000	31,260	40,100	41,250	48,000	44,200	49,000	45,798	40,000	37,200	40,000
	---	25,440	29,600	34,000	34,765	37,175	37,750	42,000	37,750	32,500	27,850	32,000
	---	28,849	32,919	39,902	41,698	50,083	45,950	50,737	46,241	45,373	52,580	41,997
	---	4,653	5,551	8,891	7,990	15,557	9,779	14,112	13,078	20,043	30,286	15,369
	0	7	35	28	24	14	14	19	12	11	5	169
Other chemistry	---	26,000	34,375	42,750	54,480	51,900	58,500	66,600	60,750	95,000	61,000	54,000
	---	25,000	30,300	36,500	42,000	40,000	45,000	57,000	52,000	63,450	50,000	43,000
	---	22,000	26,100	31,250	38,000	28,870	40,000	50,000	46,250	45,475	42,000	32,000
	---	24,333	30,208	37,865	45,907	42,270	47,778	58,860	53,625	67,975	51,000	45,449
	---	2,082	5,600	7,121	14,332	17,118	12,316	15,911	15,793	26,722	9,539	16,728
	0	3	12	16	11	10	9	15	8	4	3	91
TOTAL	---	28,000	33,000	40,000	45,000	55,000	51,250	60,000	56,000	51,550	54,250	46,000
	---	25,950	30,000	34,000	39,100	45,000	44,000	47,500	47,520	45,950	42,000	37,000
	---	24,750	26,000	30,000	33,600	36,500	38,000	37,000	41,000	39,825	33,700	30,200
	---	26,263	29,633	35,090	40,541	45,797	45,076	50,827	49,962	50,647	45,659	39,951
	---	3,602	5,659	7,293	10,473	12,393	10,905	16,916	14,675	19,772	16,013	13,579
	0	30	169	198	140	87	62	97	63	30	32	908

Table 2.3.1.1

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY -MEN Only
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	36,000	37,500	35,500	54,500	---	---	---	---	---	38,000 - 75th %-ile
	---	25,500	33,000	30,000	32,600	38,000	---	44,000	31,500	86,600	44,000	34,000 - 50th %-ile
	---	---	31,000	21,500	31,000	34,000	---	---	---	---	---	31,000 - 25th %-ile
	---	25,500	33,333	29,667	33,120	42,167	---	44,000	31,500	86,600	44,000	37,511 - Mean
	---	---	2,517	8,005	2,402	10,867	---	---	---	---	---	13,890 - Std Dev
	0	1	3	3	5	3	0	1	1	1	1	19 - Count
Agricultural/ food chemistry	---	---	33,200	43,750	---	61,400	45,000	81,250	---	---	---	45,500
	---	24,000	26,300	36,640	34,860	48,000	43,250	47,750	41,000	42,200	40,000	39,720
	---	---	22,700	28,750	---	35,500	38,000	39,750	---	---	---	30,500
	---	24,000	27,400	37,057	34,860	47,200	42,083	58,563	41,000	42,200	40,000	41,826
	---	---	5,593	8,419	6,873	12,941	3,643	23,733	---	---	21,213	16,271
	0	1	4	12	2	3	3	8	1	1	2	37
Analytical chemistry	---	25,000	33,000	36,850	45,000	55,250	52,000	50,550	53,950	---	66,250	44,000
	---	20,000	30,000	33,806	39,000	45,000	41,500	42,500	44,000	32,500	52,500	35,000
	---	20,000	26,000	30,000	33,000	31,952	38,000	36,250	40,050	---	50,000	30,000
	---	21,667	29,872	33,945	40,139	44,315	45,791	44,936	47,436	32,500	56,250	37,884
	---	2,887	5,157	5,912	11,228	10,064	11,191	10,160	9,172	12,021	9,465	10,740
	0	3	37	48	31	18	11	16	9	2	4	179
Environmental chemistry	---	---	35,525	35,500	41,250	61,000	46,750	---	59,375	---	---	41,500
	---	---	28,500	33,200	33,500	57,000	36,000	37,900	42,450	42,000	---	34,225
	---	---	21,875	28,900	28,400	27,000	35,500	---	34,675	---	---	28,825
	---	---	28,938	33,672	34,560	48,333	40,100	37,900	45,500	42,000	---	35,561
	---	---	7,921	6,067	6,752	18,583	6,148	2,970	13,885	---	---	10,101
	0	0	13	11	5	3	5	2	4	1	0	44
Organic chemistry	---	---	30,000	38,400	48,000	57,500	53,580	63,000	59,500	50,000	49,000	50,020
	---	23,000	27,310	34,600	40,000	50,040	45,200	47,460	50,000	50,000	39,900	42,120
	---	---	25,350	31,000	35,220	45,400	41,350	35,000	40,260	48,500	31,075	33,650
	---	23,000	28,165	35,463	42,301	51,600	47,408	49,882	49,646	49,500	40,017	43,828
	---	2,828	3,304	5,065	11,299	8,572	8,485	17,044	14,152	1,000	9,123	13,308
	0	2	12	15	19	17	9	20	17	4	6	121
Inorganic chemistry	---	---	32,300	45,000	51,000	58,500	---	---	47,520	---	---	50,250
	---	27,250	31,000	42,000	45,200	49,500	60,000	63,250	44,250	---	52,000	45,000
	---	---	27,000	36,000	32,000	43,800	---	---	30,000	---	---	32,150
	---	27,250	30,100	41,000	42,733	50,820	60,000	63,250	40,590	---	52,000	44,135
	---	1,061	2,762	4,899	9,737	7,883	---	35,709	9,316	---	8,485	13,876
	0	2	3	4	3	5	1	2	3	0	2	25
Pharmaceutical/ medicinal/ clinical chemistry	---	30,278	30,750	37,000	40,000	49,500	---	84,500	85,000	---	---	40,000
	---	26,200	26,750	35,380	38,000	46,000	45,000	67,000	57,500	39,000	42,000	36,000
	---	25,750	24,250	30,200	36,000	43,000	---	33,750	52,000	---	---	30,000
	---	27,651	27,863	35,084	38,307	46,167	45,000	60,700	64,833	39,000	42,000	38,214
	---	2,419	4,255	6,283	6,055	3,253	14,142	26,556	17,680	1,414	---	13,538
	0	5	12	19	15	3	2	5	3	2	1	67
Physical chemistry	---	---	35,000	43,750	67,500	---	56,000	---	---	75,100	---	48,750
	---	25,250	30,000	39,000	45,000	---	43,000	48,000	63,000	71,500	54,000	37,000
	---	---	24,400	32,150	31,050	---	18,600	---	---	40,000	---	29,940
	---	25,250	30,083	38,300	47,850	---	39,200	48,000	63,000	62,200	54,000	42,636
	---	3,182	5,477	6,150	20,112	---	20,576	16,971	38,184	19,310	25,456	18,717
	0	2	7	4	4	0	4	2	2	3	2	30
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
Polymer/ macromolecular chemistry	---	34,300	36,000	46,000	49,250	58,980	54,000	56,000	52,000	51,550	88,500	49,925
	---	31,000	31,260	40,200	42,650	49,700	44,400	47,500	46,596	41,500	57,600	40,600
	---	24,450	29,600	34,000	36,255	36,950	37,000	42,000	36,000	33,625	31,800	33,250
	---	29,700	33,324	40,306	42,352	50,551	46,664	50,833	46,354	46,890	59,300	43,039
	---	5,337	6,047	8,795	7,853	16,089	10,800	14,514	13,710	20,451	30,364	13,698
	0	5	27	27	22	13	11	18	11	10	4	148
Other chemistry	---	---	35,000	42,500	55,485	57,300	61,750	66,975	60,750	---	---	54,740
	---	23,500	28,600	37,000	42,500	45,120	45,000	58,500	52,000	73,450	50,000	45,000
	---	---	25,800	31,500	37,000	32,750	39,250	52,250	46,250	---	---	32,500
	---	23,500	30,045	37,964	46,498	46,700	48,500	60,493	53,625	73,450	50,000	46,369
	---	2,121	5,844	6,585	14,965	16,162	12,961	15,151	15,793	37,547	---	16,879
	0	2	11	13	10	8	8	14	8	2	1	77
TOTAL	---	28,000	33,800	40,000	45,800	56,000	52,000	64,750	54,000	51,550	55,000	48,000
	---	25,500	30,000	35,000	39,100	48,000	44,200	48,300	47,000	44,950	48,000	38,000
	---	23,000	26,425	30,275	34,000	41,000	38,000	38,000	41,000	39,825	37,200	31,000
	---	26,055	30,190	36,096	40,923	48,100	45,652	52,191	49,264	50,546	49,143	41,221
	---	4,018	5,652	7,090	10,573	11,832	11,064	17,073	14,614	20,024	16,575	13,855
	0	23	129	156	116	73	54	88	59	26	23	747

Table 2.3.1.2

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY -WOMEN Only
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

SPECIALTY	YEARS SINCE BS											
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	26,800	---	---	---	---	---	---	---	---	--- - 75th %-ile
	---	---	---	---	---	---	---	---	---	---	---	26,800 - 50th %-ile
	---	---	26,800	---	---	---	---	---	---	---	---	--- - 25th %-ile
	---	---	---	---	---	---	---	---	---	---	---	26,800 - Mean
	0	0	1	0	0	0	0	0	0	0	0	--- - Std Dev
												1 - Count
Agricultural/ food chemistry	---	---	---	---	---	---	---	---	---	---	---	
	---	25,200	---	27,240	---	---	---	27,000	---	---	---	27,240
	---	---	---	---	---	---	---	---	---	---	---	27,000
	---	25,200	---	27,240	---	---	---	27,000	---	---	---	25,200
	---	---	---	---	---	---	---	---	---	---	---	26,480
	0	1	0	1	0	0	0	1	0	0	0	1,115
												3
Analytical chemistry	---	---	28,797	35,000	41,100	39,000	---	41,285	---	---	---	
	---	28,350	26,200	30,000	33,750	35,500	---	38,850	56,000	---	28,500	36,000
	---	---	20,850	27,000	25,125	24,815	---	33,550	---	---	---	30,000
	---	28,350	25,818	30,574	33,300	33,105	---	37,895	56,000	---	28,500	26,050
	---	2,333	5,146	5,370	7,272	8,084	---	4,215	---	---	---	31,467
	0	2	8	15	6	4	0	4	1	0	1	7,419
												41
Environmental chemistry	---	---	34,000	---	---	---	---	---	---	---	---	
	---	27,300	26,000	24,000	---	28,750	---	---	---	---	---	33,300
	---	---	24,000	---	---	---	---	---	---	---	33,600	27,300
	---	27,300	28,000	24,000	---	28,750	---	---	---	---	---	24,250
	---	---	5,292	9,899	---	6,010	---	---	---	---	33,600	27,822
	0	1	3	2	0	2	0	0	0	0	1	5,644
												9
Organic chemistry	---	---	34,000	33,000	---	---	---	---	---	---	---	
	---	---	26,400	30,000	44,200	37,250	35,450	---	---	---	---	35,000
	---	---	20,680	26,500	---	---	---	---	---	---	37,000	30,000
	---	---	27,152	29,500	44,200	37,250	35,450	---	---	---	---	26,200
	---	---	7,612	3,928	26,587	6,010	10,536	---	---	---	37,000	32,360
	0	0	5	8	2	2	2	0	0	0	4,243	9,495
											2	21
Inorganic chemistry	---	---	---	---	---	---	---	---	---	---	---	
	---	---	28,560	23,500	---	38,000	---	---	---	---	---	38,000
	---	---	---	---	---	---	---	---	---	---	---	28,560
	---	---	28,560	23,500	---	38,000	---	---	---	---	---	23,500
	---	---	---	---	---	---	---	---	---	---	---	30,020
	0	0	1	1	0	1	0	0	0	0	0	7,359
												3
Pharmaceutical/ medicinal/ clinical chemistry	---	---	31,325	33,000	53,650	---	---	---	---	---	---	
	---	---	26,000	31,000	39,500	41,000	29,600	41,850	---	50,000	38,000	39,500
	---	---	22,200	28,500	32,950	---	---	---	---	---	---	32,000
	---	---	26,680	30,667	42,350	41,000	29,600	41,850	---	50,000	38,000	28,000
	---	---	5,219	3,933	10,802	---	---	---	---	---	---	34,140
	0	0	10	6	8	1	1	1	0	1	1	9,822
												29
Physical chemistry	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	---
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	0	0	0	0	0	0	0
Polymer/ macromolecular chemistry	---	---	32,000	---	---	---	---	---	---	---	---	
	---	26,720	30,500	29,000	29,000	---	38,000	49,000	---	30,200	25,700	32,000
	---	---	29,000	---	---	---	---	---	---	---	---	30,000
	---	26,720	31,200	29,000	29,000	---	38,000	49,000	---	30,200	25,700	28,000
	---	1,810	3,430	---	---	---	---	---	---	---	---	31,516
	0	2	7	1	1	0	1	1	0	1	1	6,074
												15
Other chemistry	---	---	---	---	---	---	---	---	---	---	---	
	---	26,000	32,000	31,150	40,000	24,550	42,000	36,000	---	---	---	42,000
	---	---	---	---	---	---	---	---	---	---	51,500	32,300
	---	26,000	32,000	31,150	40,000	24,550	42,000	36,000	---	---	---	28,000
	---	---	---	1,626	---	4,879	---	---	---	---	51,500	35,491
	0	1	1	2	1	2	1	1	0	0	13,435	10,779
											2	11
TOTAL	---	28,000	32,000	32,225	42,550	39,500	42,450	41,873	---	---	41,500	
	---	26,700	27,750	30,000	37,250	34,000	38,000	38,850	56,000	40,100	36,000	36,000
	---	25,440	24,250	27,060	30,350	25,375	28,800	33,000	---	---	29,775	30,200
	---	26,949	27,746	29,685	38,667	32,710	36,100	38,179	56,000	40,100	37,850	26,750
	---	1,675	5,169	4,844	11,443	7,356	6,938	6,697	---	14,001	10,861	32,102
	0	7	36	36	18	12	5	8	1	2	8	8,403
												133

Table 2.3.2

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	---	38,000	48,000	55,100	63,960	56,750	77,900	67,500	51,400	---	57,500 - 75th %-ile
	---	25,100	35,000	40,200	45,000	55,000	50,000	58,638	54,150	45,000	75,000	48,000 - 50th %-ile
	---	---	21,420	34,800	38,500	45,000	42,000	45,605	50,000	42,200	---	39,720 - 25th %-ile
	---	25,100	31,781	42,348	47,044	53,561	50,658	62,466	58,451	46,200	75,000	50,504 - Mean
	---	141	7,742	8,174	12,090	12,153	9,245	19,905	14,083	4,716	24,042	15,550 - Std Dev
	0	2	7	21	27	19	12	20	14	3	2	127 - Count
Basic Research	---	29,000	32,500	36,500	40,200	45,625	53,580	49,650	70,000	---	69,500	40,500
	---	25,500	28,780	33,000	36,000	42,250	42,900	45,225	63,000	44,000	43,000	34,000
	---	24,000	25,190	30,000	32,000	36,500	38,500	32,963	50,000	---	34,500	29,100
	---	26,789	29,024	33,196	37,117	40,958	45,412	42,613	61,000	44,000	49,000	35,744
	---	4,507	4,131	5,[illegible]2	6,635	6,413	8,263	9,130	10,149	8,485	20,033	9,828
	0	9	20	29	19	8	5	4	3	2	4	103
Applied R&D	---	27,875	32,500	39,850	40,000	46,625	51,500	52,000	44,625	56,875	43,350	41,000
	---	25,950	30,000	35,000	36,000	37,700	43,000	41,940	42,120	46,350	37,000	35,000
	---	23,610	27,000	30,000	32,000	32,557	38,000	35,000	31,550	33,625	27,650	30,000
	---	26,230	30,104	35,100	36,391	39,445	45,671	45,043	41,020	47,480	36,480	36,597
	---	3,097	4,355	6,483	7,770	9,415	10,261	13,741	11,738	15,892	9,272	10,092
	0	8	75	73	42	28	17	30	21	10	10	314
Gen Mgt	---	---	37,300	42,600	58,000	61,000	---	82,950	68,500	100,000	66,250	63,500
	---	---	29,850	33,612	48,000	60,000	50,500	69,500	53,950	100,000	52,500	50,000
	---	---	27,250	31,000	39,200	50,000	---	61,250	43,500	86,600	50,000	35,040
	---	---	31,317	36,988	48,209	57,000	50,500	70,225	55,650	95,533	56,250	51,933
	---	---	5,195	7,893	13,971	6,083	20,506	15,896	18,270	7,736	9,465	19,814
	0	0	6	11	11	3	2	8	6	3	4	54
Marketing	---	29,500	35,000	48,125	50,000	58,250	58,500	64,500	61,750	72,500	49,000	51,250
	---	22,500	31,260	41,000	45,100	53,750	52,500	47,500	54,000	45,000	44,000	42,700
	---	20,000	28,000	30,755	40,600	47,900	46,050	39,000	43,125	39,475	35,700	32,675
	---	24,000	31,571	39,506	47,300	54,374	52,350	49,900	54,250	52,325	42,900	43,984
	---	5,228	6,078	8,975	10,114	15,796	6,488	12,909	17,412	19,086	7,008	14,197
	0	4	17	12	12	10	4	13	6	4	4	86
Prod & QC	---	30,278	30,600	36,000	43,500	48,000	44,250	50,000	52,000	46,900	55,000	42,550
	---	26,700	27,000	33,500	36,000	45,000	41,500	35,500	47,520	40,000	38,000	34,250
	---	25,100	23,000	30,000	30,500	33,500	30,500	33,500	42,100	24,000	37,200	29,450
	---	27,491	27,089	33,024	36,215	41,842	38,935	41,056	49,404	36,967	43,400	35,742
	---	2,746	5,236	4,592	7,155	8,204	7,438	9,315	10,269	11,747	10,054	9,595
	0	5	27	26	13	12	13	9	11	3	3	122
Forensic	---	---	31,500	33,800	42,500	55,000	---	48,400	---	---	---	41,000
	---	---	28,896	30,000	35,000	43,000	---	41,000	---	41,000	28,500	00
	---	---	22,750	22,600	30,500	24,500	---	29,500	---	---	---	27,000
	---	---	28,535	28,033	36,200	40,833	---	39,360	---	41,000	28,500	32,963
	---	---	8,896	6,384	6,611	15,365	---	9,806	---	---	---	9,515
	0	0	7	9	5	3	0	5	0	1	1	31
Writing/ Editing	---	---	---	---	46,900	---	45,000	---	---	---	---	47,675
	---	26,000	19,800	36,000	34,000	---	43,000	54,000	---	40,100	---	37,000
	---	---	---	---	26,200	---	38,000	---	---	---	---	26,150
	---	26,000	19,800	36,000	35,700	---	42,000	54,000	---	40,100	---	37,350
	---	---	5,940	---	10,454	---	3,606	1,414	---	14,001	---	11,984
	0	1	2	1	3	0	3	2	0	2	0	14
Data Processing	---	---	---	---	---	---	---	---	---	---	---	36,000
	---	---	---	26,500	---	---	---	36,000	---	---	---	29,000
	---	---	---	---	---	---	---	---	---	---	---	24,000
	---	---	---	26,500	---	---	---	36,000	---	---	---	29,667
	---	---	---	3,536	---	---	---	---	---	---	---	6,028
	0	0	0	2	0	0	0	1	0	0	0	3
Consulting	---	---	39,600	30,450	44,000	---	---	---	---	---	---	44,000
	---	27,300	21,000	28,800	40,000	---	---	47,500	---	---	61,000	32,000
	---	---	20,000	25,850	40,000	---	---	---	---	---	---	26,500
	---	27,300	26,867	28,280	41,333	---	---	47,500	---	---	61,000	35,287
	---	---	11,039	2,605	2,309	---	---	3,536	---	---	---	11,604
	0	1	3	5	3	0	0	2	0	0	1	15
Other	---	---	---	43,000	42,225	59,750	58,500	66,600	---	---	---	48,000
	---	---	45,250	30,200	35,500	50,620	36,000	41,000	36,000	45,000	53,000	41,500
	---	---	---	27,600	28,100	36,060	22,900	35,800	---	---	---	32,300
	---	---	45,250	34,329	35,275	48,810	39,760	47,800	36,000	45,000	53,000	41,378
	---	---	3,889	8,943	7,955	12,423	21,203	16,488	---	4,243	26,870	13,696
	0	0	2	7	4	4	5	3	1	2	2	30
No Response	---	---	31,600	---	---	---	---	---	---	---	---	44,000
	---	---	26,400	35,500	50,000	---	42,000	---	46,000	---	28,000	35,000
	---	---	22,800	---	---	---	---	---	---	---	---	27,200
	---	---	26,933	35,500	50,000	---	42,000	---	46,000	---	28,000	35,311
	---	---	4,424	707	---	---	---	---	---	---	---	9,209
	0	0	3	2	1	0	1	0	1	0	1	9
TOTAL	---	28,000	33,000	40,000	45,000	55,000	51,250	60,000	56,000	51,550	54,250	46,000
	---	25,950	30,000	34,000	39,100	45,000	44,000	47,500	47,520	45,950	42,000	37,000
	---	24,750	26,000	30,000	33,600	36,500	38,000	37,000	41,000	39,825	33,700	30,200
	---	26,263	29,633	35,090	40,541	45,797	45,076	50,827	49,962	50,647	45,659	39,931
	---	3,602	5,659	7,293	10,473	12,393	10,905	16,916	14,675	19,772	16,013	13,579
	0	30	169	198	140	87	62	97	63	30	32	908

Table 2.3.2.1

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY -MEN Only
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	---	38,300	48,000	54,790	64,095	57,250	77,900	63,125	---	---	58,375 - 75th %-ile
	---	25,000	36,000	40,200	45,000	55,500	48,750	58,638	51,150	46,800	75,000	50,000 - 50th %-ile
	---	---	27,385	34,800	38,750	45,750	40,925	45,605	50,000	---	---	40,050 - 25th %-ile
	---	25,000	33,474	43,006	47,576	54,981	50,290	62,466	56,527	46,800	75,000	51,577 - Mean
	---	---	7,044	8,152	11,591	10,762	9,953	19,905	14,127	6,505	24,042	15,221 - Std Dev
	0	1	5	17	25	18	10	20	12	2	2	112 - Count
Basic Research	---	29,000	33,000	37,200	40,275	46,875	54,870	50,000	70,000	---	69,500	41,000
	---	25,500	30,000	33,400	37,200	43,750	46,500	48,600	63,000	44,000	43,000	35,000
	---	24,000	25,000	30,000	34,725	35,790	36,750	30,000	50,000	---	34,500	30,000
	---	26,789	29,151	33,726	38,523	41,693	46,040	42,867	61,000	44,000	49,000	36,425
	---	4,507	4,522	5,645	6,419	7,208	9,402	11,165	10,149	8,485	20,033	10,488
	0	9	15	23	14	5	4	3	3	2	4	83
Applied R&D	---	28,625	32,500	40,000	39,600	49,175	51,750	52,250	44,000	56,875	46,450	42,060
	---	25,950	30,000	36,500	36,000	38,700	43,500	42,000	41,000	46,350	37,000	36,000
	---	22,750	26,600	30,200	31,500	33,519	38,500	34,825	31,000	33,625	28,725	30,000
	---	26,067	29,998	35,973	36,263	41,202	46,151	45,488	40,022	47,480	37,388	37,273
	---	3,556	4,513	6,643	8,186	8,866	10,399	14,653	11,777	15,892	9,551	10,510
	0	6	57	60	37	22	16	26	19	10	8	261
Gen Mgt	---	---	37,600	42,600	54,000	61,000	---	82,950	68,500	100,000	66,250	65,000
	---	---	30,000	33,660	48,000	60,000	50,500	69,500	53,950	100,000	52,500	50,000
	---	---	28,850	32,000	39,600	50,000	---	61,250	43,500	86,600	50,000	38,200
	---	---	32,580	37,125	48,356	57,000	50,500	70,225	55,650	95,533	56,250	53,985
	---	---	4,665	6,109	14,406	6,083	20,506	15,896	18,270	7,736	9,465	19,910
	0	0	5	7	9	3	2	8	6	3	4	47
Marketing	---	29,500	35,000	49,550	50,000	59,500	58,500	64,500	61,750	50,000	---	52,250
	---	22,500	31,260	42,000	45,200	54,500	52,500	47,500	54,000	40,000	48,000	44,700
	---	20,000	28,500	39,750	42,700	49,620	46,050	39,000	43,125	39,300	---	32,950
	---	24,000	31,941	43,115	47,178	55,527	52,350	49,900	54,250	43,100	48,000	44,546
	---	5,228	5,957	6,846	9,824	16,302	6,488	12,909	17,412	5,986	2,828	13,860
	0	4	15	9	9	9	4	13	6	3	2	74
Prod & QC	---	30,555	33,000	35,640	45,000	48,375	45,465	51,000	52,000	46,900	---	44,750
	---	25,200	28,000	34,000	36,250	45,000	42,375	39,250	47,520	40,000	46,100	35,000
	---	24,000	26,000	30,400	30,750	40,500	33,958	35,000	42,100	24,000	---	30,000
	---	26,918	28,487	32,968	37,150	43,410	40,455	42,188	49,404	36,967	46,100	37,201
	---	3,336	4,633	4,537	7,071	8,102	6,737	9,273	10,269	11,747	12,587	9,674
	0	3	19	21	10	10	10	8	11	3	2	97
Forennic	---	---	38,000	34,950	44,250	---	---	50,800	---	---	---	44,125
	---	---	30,500	33,200	37,000	49,000	---	46,000	---	41,000	---	35,250
	---	---	19,175	30,000	32,750	---	---	41,000	---	---	---	30,750
	---	---	28,970	32,620	38,000	49,000	---	45,933	---	41,000	---	36,838
	---	---	10,809	2,526	6,055	8,485	---	4,900	---	---	---	9,426
	0	0	5	5	4	2	0	3	0	1	0	20
Writing/ Editing	---	---	---	---	---	---	45,000	---	---	---	---	51,000
	---	---	---	36,000	30,100	---	43,000	54,000	---	---	---	40,500
	---	---	---	---	---	---	38,000	---	---	---	---	34,500
	---	---	---	36,000	30,100	---	42,000	54,000	---	---	---	41,275
	---	---	---	---	5,515	---	3,606	1,414	---	---	---	9,721
	0	0	0	1	2	0	3	2	0	0	0	8
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	29,000	---	---	---	---	---	---	---	29,000
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	29,000	---	---	---	---	---	---	---	29,000
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	1	0	0	0	0	0	0	0	1
Consulting	---	---	39,600	31,225	---	---	---	---	---	---	---	44,000
	---	---	21,000	28,850	42,000	---	---	47,500	---	---	---	32,000
	---	---	20,000	27,075	---	---	---	---	---	---	---	26,500
	---	---	26,867	29,050	42,000	---	---	47,500	---	---	---	34,164
	---	---	11,039	2,258	2,828	---	---	3,536	---	---	---	10,111
	0	0	3	4	2	0	0	2	0	0	0	11
Other	---	---	---	44,750	42,300	61,000	58,500	66,600	---	---	---	48,500
	---	---	45,250	32,100	29,000	56,000	36,000	41,000	36,000	45,000	72,000	42,150
	---	---	---	27,075	27,800	45,240	22,900	35,800	---	---	---	33,050
	---	---	45,250	35,050	33,033	54,080	39,760	47,800	36,000	45,000	72,000	42,398
	---	---	3,889	9,571	8,048	8,054	21,203	16,488	---	4,243	---	14,364
	0	0	2	6	3	3	5	3	1	2	1	26
No Response	---	---	31,600	---	---	---	---	---	---	---	---	46,000
	---	---	26,400	35,500	50,000	---	---	---	46,000	---	---	35,000
	---	---	22,800	---	---	---	---	---	---	---	---	26,400
	---	---	26,933	35,500	50,000	---	---	---	46,000	---	---	35,400
	---	---	4,424	707	---	---	---	---	---	---	---	9,834
	0	0	3	2	1	0	0	0	1	0	0	7
TOTAL	---	28,000	33,800	40,000	45,800	56,000	52,000	64,750	54,000	51,550	55,000	48,000
	---	25,500	30,000	35,000	39,100	48,000	44,200	48,300	47,000	44,950	48,000	38,000
	---	23,000	26,425	30,275	34,000	41,000	38,000	38,000	41,000	39,825	37,200	31,000
	---	26,055	30,190	36,096	40,923	48,100	45,652	52,191	49,264	50,546	49,143	41,221
	---	4,018	5,652	7,090	10,573	11,832	11,064	17,073	14,614	20,024	16,575	13,855
	0	23	129	156	116	73	54	88	59	26	23	747

Table 2.3.2.2

SALARIES of M.S. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY -WOMEN Only
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS											TOTAL	
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp		
Mgt-R&D	---	---	---	---	---	---	---	---	---	---	---	35,000	- 75th %-ile
	---	25,200	27,550	32,500	40,400	28,000	---	---	---	---	---	29,000	- 50th %-ile
	---	---	---	---	---	---	---	---	---	---	---	24,975	- 25th %-ile
	---	25,200	27,550	32,500	40,400	28,000	---	---	---	---	---	31,763	- Mean
	---	---	10,536	3,536	21,920	---	---	---	---	---	---	11,000	- Std Dev
	0	1	2	2	2	1	0	0	0	0	0	8	- Count
Basic Research	---	---	31,250	35,000	32,000	---	---	---	---	---	---	36,000	
	---	---	28,560	30,000	30,800	38,750	42,900	41,850	---	---	---	30,800	
	---	---	26,080	27,000	25,400	---	---	---	---	---	---	27,200	
	---	---	28,644	30,800	29,400	38,750	42,900	41,850	---	---	---	32,216	
	---	---	3,044	4,147	3,516	3,889	---	---	---	---	---	5,786	
	0	0	5	5	3	2	1	1	0	0	0	17	
Applied R&D	---	---	32,750	34,800	40,550	40,500	---	47,220	---	---	---	38,000	
	---	26,720	30,250	30,000	39,000	38,000	38,000	40,690	56,000	---	32,850	32,000	
	---	---	27,000	28,875	33,300	21,260	---	38,525	---	---	---	28,000	
	---	26,720	30,169	30,538	37,340	32,304	38,000	42,145	56,000	---	32,850	32,948	
	---	1,810	4,047	3,791	3,794	10,140	---	4,817	---	---	10,112	7,059	
	0	2	16	11	5	5	1	4	1	0	2	47	
Gen Mgt	---	---	---	32,000	---	---	---	---	---	---	---	41,525	
	---	---	25,000	31,000	47,550	---	---	---	---	---	---	31,500	
	---	---	---	30,000	---	---	---	---	---	---	---	28,750	
	---	---	25,000	31,000	47,550	---	---	---	---	---	---	35,517	
	---	---	---	1,000	17,041	---	---	---	---	---	---	12,279	
	0	0	1	3	2	0	0	0	0	0	0	6	
Marketing	---	---	---	32,300	---	---	---	---	---	---	---	41,000	
	---	---	28,800	30,240	51,500	---	---	---	---	---	37,800	33,600	
	---	---	---	23,500	---	---	---	---	---	---	---	26,870	
	---	---	28,800	28,680	51,500	---	---	---	---	---	37,800	35,804	
	---	---	8,768	4,603	16,263	---	---	---	---	---	5,940	12,094	
	0	0	2	3	2	0	0	0	0	0	2	9	
Prod & QC	---	---	26,700	38,500	---	---	---	---	---	---	---	34,500	
	---	28,350	22,000	32,000	33,150	34,000	28,800	---	---	---	38,000	29,800	
	---	---	20,588	28,650	---	---	---	---	---	---	---	25,250	
	---	28,350	23,458	33,260	33,150	34,000	28,800	---	---	---	38,000	29,683	
	---	2,333	4,010	5,365	11,243	1,414	1,131	---	---	---	---	6,336	
	0	2	6	5	2	2	2	0	0	0	1	20	
Forensic	---	---	---	26,550	---	---	---	---	---	---	---	28,896	
	---	---	27,448	22,600	29,000	24,500	---	29,500	---	---	28,500	27,000	
	---	---	---	17,750	---	---	---	---	---	---	---	24,500	
	---	---	27,448	22,300	29,000	24,500	---	29,500	---	---	28,500	25,918	
	---	---	2,048	4,614	---	---	---	3,536	---	---	---	4,260	
	0	0	2	4	1	1	0	2	0	0	1	11	
Writing/ Editing	---	---	---	---	---	---	---	---	---	---	---	47,675	
	---	26,000	19,800	---	46,900	---	---	---	---	40,100	---	28,100	
	---	---	---	---	---	---	---	---	---	---	---	21,900	
	---	26,000	19,800	---	46,900	---	---	---	---	40,100	---	32,117	
	---	---	5,940	---	---	---	---	---	---	14,001	---	13,551	
	0	1	2	0	1	0	0	0	0	2	0	6	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	24,000	---	---	---	36,000	---	---	---	30,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	24,000	---	---	---	36,000	---	---	---	30,000	
	---	---	---	---	---	---	---	---	---	---	---	8,485	
	0	0	0	1	0	0	0	1	0	0	0	2	
Consulting	---	---	---	---	---	---	---	---	---	---	---	61,000	
	---	27,300	---	25,200	---	---	---	---	---	---	61,000	27,300	
	---	---	---	---	---	---	---	---	---	---	---	25,200	
	---	27,300	---	25,200	---	---	---	---	---	---	61,000	37,833	
	---	---	---	---	---	---	---	---	---	---	---	20,090	
	0	1	0	1	0	0	0	0	0	0	1	3	
Other	---	---	---	---	---	---	---	---	---	---	---	34,000	
	---	---	---	30,000	---	33,000	---	---	---	---	34,000	33,000	
	---	---	---	---	---	---	---	---	---	---	---	30,000	
	---	---	---	0,000	---	33,000	---	---	---	---	34,000	32,333	
	---	---	---	---	---	---	---	---	---	---	---	2,082	
	0	0	0	1	0	1	0	0	0	0	1	3	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	42,000	---	---	---	---	42,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	42,000	---	---	---	---	42,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	1	0	0	0	0	1	
TOTAL	---	28,000	32,000	32,225	42,550	39,500	42,450	41,873	---	---	41,500	36,000	
	---	26,700	27,750	30,000	37,250	34,000	38,000	38,850	56,000	40,100	36,000	30,200	
	---	25,440	24,250	27,060	30,350	25,375	28,800	33,000	---	---	29,775	26,750	
	---	26,949	27,746	29,685	38,667	32,710	36,100	38,179	56,000	40,100	37,850	32,102	
	---	1,675	5,169	4,844	11,443	7,356	6,938	6,697	---	14,001	10,861	8,403	
	0	7	36	36	18	12	5	8	1	2	8	133	

Table 2.3.3

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY
by SUBORDINATES (PROFESSIONALS + TECHNICIANS) and YEARS SINCE BS
1984 Survey of ACS Members

SUBORDINATES (Profs + Techs)	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
0	---	28,000	32,300	35,820	40,000	49,625	44,700	49,500	49,625	49,000	42,000	39,875	- 75th %-ile
	---	25,500	28,530	31,000	34,500	37,500	41,500	37,500	44,625	39,650	33,600	32,000	- 50th %-ile
	---	24,000	25,000	27,475	30,500	30,250	35,000	33,325	34,875	32,875	28,300	27,350	- 25th %-ile
	---	26,230	28,767	32,032	35,838	39,458	40,677	42,809	42,831	39,450	34,629	34,111	- Mean
	---	3,885	5,645	6,385	7,822	11,463	6,892	13,604	9,857	8,862	6,585	9,483	- Std Dev
	0	23	100	80	57	30	13	28	26	12	7	376	- Count
1-2	---	28,850	32,850	40,000	42,400	49,325	51,500	51,700	60,750	51,400	56,500	45,000	
	---	26,500	30,000	35,000	39,000	42,750	44,000	46,250	45,000	48,000	44,000	37,000	
	---	23,950	26,700	30,100	34,000	35,450	42,000	39,030	41,375	41,000	34,000	31,900	
	---	26,420	29,620	35,439	39,000	42,936	46,762	48,879	51,010	47,464	46,808	39,393	
	---	3,196	4,826	6,109	6,231	7,828	8,736	14,561	15,004	10,240	15,870	11,510	
	0	5	42	61	27	14	17	24	12	11	13	226	
3-7	---	---	36,250	40,488	45,250	57,000	54,500	60,000	64,000	93,300	55,000	48,000	
	---	26,250	32,000	35,750	39,860	45,240	45,000	44,300	46,000	75,100	38,000	40,000	
	---	---	28,363	30,800	34,750	38,000	36,250	35,000	37,920	41,100	34,000	33,600	
	---	26,250	31,864	36,959	40,663	48,207	45,428	47,783	52,229	68,780	41,457	42,479	
	---	1,768	5,586	6,859	7,605	14,905	11,005	14,109	17,841	26,772	11,135	13,607	
	0	2	22	30	19	17	18	11	5	7	161		
8-12	---	---	---	46,500	70,375	56,750	57,000	60,000	75,000	---	---	58,500	
	---	---	33,100	40,000	44,500	48,250	42,000	50,200	50,000	100,000	81,000	47,420	
	---	---	---	34,625	38,875	45,000	35,208	45,000	50,000	---	---	42,000	
	---	---	33,100	40,559	51,810	50,558	44,736	53,615	57,017	100,000	81,000	51,108	
	---	---	7,212	6,282	15,470	6,823	11,773	12,991	13,257	---	15,556	14,736	
	0	0	2	12	10	12	4	15	7	1	2	65	
13-17	---	---	---	49,250	54,425	65,000	66,000	75,000	---	---	---	56,000	
	---	---	40,750	36,750	50,000	55,000	51,250	68,100	71,150	---	50,000	50,000	
	---	---	---	33,025	39,500	45,000	39,875	56,000	---	---	---	38,000	
	---	---	40,750	39,625	47,975	55,000	52,375	66,367	71,150	---	50,000	50,233	
	---	---	5,303	8,943	8,454	10,000	13,561	9,618	26,658	---	---	14,268	
	0	0	2	8	4	3	4	3	2	0	1	27	
18-22	---	---	---	43,750	58,500	57,000	44,500	---	---	---	---	57,500	
	---	---	---	39,500	43,000	53,000	44,000	71,600	56,500	---	58,000	44,500	
	---	---	---	31,500	30,000	48,420	38,000	---	---	---	---	40,500	
	---	---	---	38,250	43,833	52,807	42,167	71,600	56,500	---	58,000	47,766	
	---	---	---	6,551	14,268	4,293	3,617	---	9,192	---	---	11,423	
	0	0	0	4	3	3	3	1	2	0	1	17	
23-32	---	---	---	---	58,000	78,000	---	96,250	---	---	---	72,000	
	---	---	38,600	42,046	50,000	56,960	---	71,138	67,500	---	---	57,118	
	---	---	---	---	45,000	45,000	---	51,819	---	---	---	45,000	
	---	---	38,600	42,046	51,000	59,987	---	73,069	67,500	---	---	60,063	
	---	---	---	---	6,557	16,707	---	23,447	3,536	---	---	17,813	
	0	0	1	1	3	3	0	4	2	0	0	14	
33-47	---	---	---	---	59,600	---	---	---	---	---	---	66,375	
	---	---	---	56,000	50,500	56,250	43,250	80,600	57,900	---	---	56,950	
	---	---	---	---	50,000	---	---	---	---	---	---	49,500	
	---	---	---	56,000	53,367	56,250	43,250	80,600	57,900	---	---	59,095	
	---	---	---	---	5,404	11,667	---	12,162	---	---	---	13,516	
	0	0	0	1	3	2	1	2	1	0	0	10	
48-67	---	---	---	---	80,000	---	---	---	---	---	---	80,000	
	---	---	---	60,000	63,000	---	61,000	---	---	80,000	---	62,750	
	---	---	---	---	62,500	---	---	---	---	---	---	60,750	
	---	---	---	60,000	68,500	---	61,000	---	---	80,000	---	67,750	
	---	---	---	---	9,962	---	---	---	---	---	---	9,549	
	0	0	0	1	3	0	1	0	0	1	0	6	
68-99	---	---	---	---	---	---	---	---	---	---	---	100,000	
	---	---	---	---	---	61,000	---	100,000	---	---	50,000	61,000	
	---	---	---	---	---	---	---	---	---	---	---	50,000	
	---	---	---	---	---	61,000	---	100,000	---	---	50,000	70,333	
	---	---	---	---	---	---	---	---	---	---	---	26,274	
	0	0	0	0	0	1	0	1	0	0	1	3	
>=100	---	---	---	---	---	---	---	---	---	---	---	70,000	
	---	---	---	---	---	---	39,750	70,000	---	---	---	68,700	
	---	---	---	---	---	---	---	---	---	---	---	10,800	
	---	---	---	---	---	---	39,750	70,000	---	---	---	49,833	
	---	---	---	---	---	---	40,941	---	---	---	---	33,810	
	0	0	0	0	0	0	2	1	0	0	0	3	
TOTAL	---	28,000	33,000	40,000	45,000	55,000	51,250	60,000	56,000	51,550	54,250	46,000	
	---	25,950	30,000	34,000	39,100	45,000	44,000	47,500	47,520	45,950	42,000	37,000	
	---	24,750	26,000	30,000	33,600	36,500	38,000	37,000	41,000	39,825	33,700	30,200	
	---	26,263	29,633	35,090	40,541	45,797	45,076	50,827	49,962	50,647	45,659	39,931	
	---	3,602	5,659	7,293	10,473	12,393	10,905	16,916	14,675	19,772	16,013	13,579	
	0	30	169	198	140	87	62	97	63	30	32	908	

Table 2.3.4

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY
by TOTAL NUMBER OF SUBORDINATES and YEARS SINCE BS
1984 Survey of ACS Members

TOTAL SUBORDINATES	YEARS SINCE BS												
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
0	---	28,000	32,000	36,000	40,000	47,750	44,925	50,000	49,625	47,600	42,000	38,000	- 75th %-ile
	---	25,500	28,500	31,000	34,000	37,000	39,500	37,000	44,625	38,650	33,600	32,000	- 50th %-ile
	---	24,000	25,000	27,285	30,000	29,500	34,250	33,000	31,375	31,125	28,300	27,000	- 25th %-ile
	---	26,230	28,659	32,058	35,380	38,681	39,540	42,728	42,555	38,140	34,629	33,698	- Mean
	---	3,885	5,251	6,464	7,825	10,832	7,554	13,856	10,544	8,999	6,585	9,331	- Std Dev
	0	23	95	78	51	29	10	27	22	10	7	352	- Count
1-2	---	28,850	32,375	40,000	42,700	52,350	51,250	50,800	53,250	51,050	56,500	45,000	
	---	26,500	30,000	34,800	39,000	46,000	44,700	45,000	43,000	46,500	44,000	37,300	
	---	23,950	27,030	30,000	33,750	36,000	42,000	38,200	40,630	41,250	34,000	31,500	
	---	26,420	29,885	35,332	38,841	44,892	46,742	46,917	47,112	47,008	46,808	39,162	
	---	3,196	5,423	6,175	6,578	9,332	8,456	11,185	11,353	9,890	15,870	10,657	
	0	5	40	57	29	13	18	23	10	12	13	220	
3-7	---	---	35,000	40,488	45,000	54,500	54,750	56,500	68,000	93,300	48,250	46,000	
	---	26,250	32,800	35,440	39,720	44,650	42,500	42,600	49,500	75,100	37,600	39,136	
	---	---	26,450	30,800	35,250	35,750	35,375	35,000	41,075	41,100	31,750	33,313	
	---	26,250	31,157	36,842	40,483	46,772	45,120	48,182	54,894	68,780	39,200	42,026	
	---	1,768	6,345	6,736	6,731	14,522	11,353	17,726	17,312	26,772	10,296	14,171	
	0	2	27	34	29	20	16	17	14	5	6	170	
8-12	---	---	36,775	43,800	59,950	60,000	51,270	62,500	65,500	---	---	56,750	
	---	---	31,250	35,000	44,000	55,000	46,500	52,000	50,000	100,000	92,000	45,500	
	---	---	28,500	34,000	37,875	45,000	35,736	46,210	42,260	---	---	38,275	
	---	---	32,175	38,670	48,100	51,836	45,384	55,978	52,613	100,000	92,000	49,238	
	---	---	4,418	5,880	16,243	7,547	9,236	13,022	14,997	---	---	15,244	
	0	0	4	13	10	11	6	13	9	1	1	68	
13-17	---	---	---	52,000	62,450	55,000	---	71,000	---	---	---	55,000	
	---	---	40,750	34,000	50,700	47,000	45,500	55,000	71,150	50,000	70,000	47,500	
	---	---	---	32,700	40,000	45,000	---	46,250	---	---	---	41,000	
	---	---	40,750	39,643	50,980	49,000	45,500	57,900	71,150	50,000	70,000	50,304	
	---	---	5,303	9,660	12,480	5,292	---	12,828	26,658	---	---	14,129	
	0	0	2	7	5	3	1	5	2	1	1	27	
18-22	---	---	---	42,875	---	65,000	53,875	71,600	---	---	---	57,000	
	---	---	---	37,750	37,500	53,000	44,250	68,100	50,000	---	58,000	48,420	
	---	---	---	31,500	---	48,420	39,500	56,000	---	---	---	39,500	
	---	---	---	37,375	37,500	55,473	45,875	65,233	50,000	---	58,000	48,848	
	---	---	---	5,907	10,607	8,562	7,983	8,186	0	---	---	11,860	
	0	0	0	4	2	3	4	3	2	0	1	19	
23-32	---	---	---	---	58,000	56,990	---	100,000	---	---	---	58,000	
	---	---	38,600	43,000	50,000	53,230	53,500	57,276	65,000	---	---	50,000	
	---	---	---	---	45,000	46,125	---	50,000	---	---	---	45,000	
	---	---	38,600	43,000	50,643	52,115	53,500	69,092	65,000	---	---	53,886	
	---	---	---	---	5,879	5,910	21,920	27,013	---	---	---	13,960	
	0	0	1	1	7	4	2	3	1	0	0	19	
33-47	---	---	---	56,000	---	78,000	---	88,150	---	---	---	70,125	
	---	---	---	50,000	50,250	64,500	43,250	78,500	57,900	---	52,500	52,750	
	---	---	---	42,046	---	48,000	---	49,500	---	---	---	48,500	
	---	---	---	49,349	50,250	63,500	43,250	72,050	57,900	---	52,500	58,337	
	---	---	---	7,000	354	15,025	---	21,329	---	---	3,536	15,118	
	0	0	0	3	2	3	1	4	1	0	2	16	
48-67	---	---	---	---	---	---	---	---	---	---	---	75,625	
	---	---	---	---	62,500	---	52,500	---	---	80,000	---	61,750	
	---	---	---	---	---	---	---	---	---	---	---	48,250	
	---	---	---	---	62,500	---	52,500	---	---	80,000	---	61,875	
	---	---	---	---	---	---	12,021	---	---	---	---	14,710	
	0	0	0	0	1	0	2	0	0	1	0	4	
68-99	---	---	---	---	---	---	---	---	---	---	---	63,000	
	---	---	---	60,000	---	---	---	---	63,000	---	50,000	60,000	
	---	---	---	---	---	---	---	---	---	---	---	50,000	
	---	---	---	60,000	---	---	---	---	63,000	---	50,000	57,667	
	---	---	---	---	---	---	---	---	---	---	---	6,807	
	0	0	0	1	0	0	0	0	1	0	1	3	
>=100	---	---	---	---	75,750	---	---	---	---	---	---	72,500	
	---	---	---	---	61,300	61,000	39,750	85,000	70,000	---	---	65,850	
	---	---	---	---	44,900	---	---	---	---	---	---	54,700	
	---	---	---	---	60,650	61,000	39,750	85,000	70,000	---	---	62,310	
	---	---	---	---	16,406	---	40,941	21,213	---	---	---	23,695	
	0	0	0	0	4	1	2	2	1	0	0	10	
TOTAL	---	28,000	33,000	40,000	45,000	55,000	51,250	60,000	56,000	51,550	54,250	46,000	
	---	25,950	30,000	34,000	39,100	45,000	44,000	47,500	47,520	45,950	42,000	37,000	
	---	24,750	26,000	30,000	33,600	36,500	38,000	37,000	41,000	39,825	33,700	30,200	
	---	26,263	29,633	35,090	40,541	45,797	45,076	50,827	49,962	50,647	45,659	39,931	
	---	3,602	5,659	7,293	10,473	12,393	10,905	16,916	14,675	19,772	16,013	13,579	
	0	30	169	198	140	87	62	97	63	30	32	908	

Table 2.3.5

SALARIES of M.S.CHEMISTS EMPLOYED FULL-TIME in PRIVATE INDUSTRY
by INDUSTRY EMPLOYERS and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
EMPLOYER	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mfg Chem	---	27,750	32,850	39,925	47,450	54,500	50,250	60,000	60,450	66,000	49,500	48,000 - 75th %-ile
	---	26,500	29,800	34,800	42,400	45,000	44,200	47,500	49,500	49,700	41,000	38,000 - 50th %-ile
	---	25,100	26,475	30,575	37,160	36,625	38,875	35,000	41,700	35,900	32,400	31,500 - 25th %-ile
	---	26,322	29,414	35,960	42,907	46,017	46,055	49,546	50,236	52,322	40,883	41,350 - Mean
	---	2,686	4,382	7,424	8,103	12,121	11,348	15,964	12,885	23,765	9,601	13,173 - Std Dev
	0	9	40	60	37	28	24	39	25	9	12	283 - Count
Mfg Coatings	---	25,900	32,100	44,750	40,000	---	47,000	73,400	50,000	---	---	44,500
	---	25,440	30,880	38,000	33,000	44,500	40,500	60,000	42,120	27,000	63,000	34,000
	---	23,000	27,150	31,750	29,100	---	33,250	36,250	29,000	---	---	29,050
	---	24,780	29,476	38,400	36,157	44,500	40,250	55,860	41,781	27,000	63,000	38,826
	---	1,559	6,434	9,301	9,820	23,335	7,136	18,880	12,987	---	41,012	14,634
	0	3	10	12	7	2	4	5	7	1	2	53
Mfg Food	---	---	---	42,500	39,720	48,125	---	85,000	---	---	---	44,563
	---	24,000	27,400	33,600	35,500	34,750	43,250	53,000	41,000	64,400	30,500	35,750
	---	---	---	29,000	31,000	27,225	---	32,500	---	---	---	30,000
	---	24,000	27,400	36,067	37,074	36,763	43,250	57,600	41,000	64,400	30,500	40,154
	---	---	3,677	9,064	7,462	11,852	---	28,693	---	31,396	7,778	16,744
	0	1	2	9	7	6	1	5	1	2	2	36
Mfg Metals/ minerals	---	---	35,000	39,500	39,200	55,000	---	54,638	---	---	72,000	44,375
	---	---	32,500	39,000	33,500	44,000	40,250	48,000	---	---	58,000	36,250
	---	---	26,000	30,700	29,000	36,500	---	32,000	---	---	28,500	32,000
	---	---	30,814	35,880	33,900	45,167	40,250	44,255	---	---	52,833	39,021
	---	---	6,135	5,420	5,112	9,305	6,010	11,661	---	---	22,205	11,483
	0	0	7	5	3	3	2	5	0	0	3	28
Mfg Paper	---	---	---	---	---	---	---	---	---	---	---	46,596
	---	---	---	27,500	40,500	---	---	41,000	44,548	---	---	41,000
	---	---	---	---	---	---	---	---	---	---	---	31,000
	---	---	---	27,500	40,500	---	---	41,000	44,548	---	---	38,014
	---	---	---	10,607	13,435	---	---	---	2,896	---	---	10,240
	0	0	0	2	2	0	0	1	2	0	0	7
Mfg Petroleum	---	---	41,050	46,250	73,425	57,000	---	72,000	87,500	---	69,500	61,750
	---	---	35,000	36,700	55,100	48,000	43,600	60,000	75,000	75,100	55,000	48,500
	---	---	30,948	35,700	40,000	31,000	---	49,000	43,000	---	45,900	38,950
	---	---	35,799	39,867	56,175	44,729	43,600	61,589	67,200	75,100	57,160	51,696
	---	---	5,373	6,163	18,760	14,310	2,263	14,888	23,274	---	13,610	17,158
	0	0	5	6	4	7	2	7	5	1	5	42
Mfg Pharm	---	30,000	31,000	36,463	40,000	50,875	54,250	69,825	70,000	50,000	44,000	41,000
	---	26,000	27,000	32,850	36,000	42,250	41,950	44,925	52,000	48,000	42,000	34,500
	---	25,000	24,250	30,000	33,950	37,500	38,500	35,125	44,000	40,000	38,000	30,000
	---	26,608	27,587	33,570	37,497	45,950	44,113	52,395	56,429	46,129	41,333	37,026
	---	2,722	4,582	5,990	7,000	13,105	8,734	21,227	16,102	5,045	3,055	11,805
	0	7	36	42	37	10	12	10	7	7	3	171
Mfg Rubber	---	---	33,450	---	46,000	81,740	50,340	65,000	45,000	---	---	47,770
	---	---	28,650	39,000	40,000	50,480	45,680	45,000	43,000	100,000	37,200	41,500
	---	---	25,875	---	26,400	39,050	36,958	40,000	37,920	---	---	35,550
	---	---	29,325	39,000	37,467	57,090	44,326	50,000	41,973	100,000	37,200	45,312
	---	---	4,158	---	10,043	23,396	7,085	13,229	5,650	---	---	17,918
	0	0	4	1	3	4	4	3	3	1	1	24
Mfg Other	---	30,000	36,000	41,000	45,250	55,000	60,250	46,000	54,000	43,500	---	45,000
	---	25,000	32,000	34,250	40,000	45,500	52,500	42,000	50,000	40,500	40,000	37,000
	---	20,000	28,000	29,559	31,750	40,000	37,500	38,200	42,500	37,550	---	30,220
	---	25,286	31,947	34,605	40,289	45,710	48,180	47,016	48,909	39,867	40,000	38,787
	---	4,855	6,288	7,808	12,106	9,309	16,181	16,199	12,749	5,117	14,142	12,081
	0	7	47	38	30	23	10	19	11	6	2	193
Non-Mfg	---	36,600	30,000	39,500	53,250	59,000	60,000	65,000	---	71,500	---	42,100
	---	27,300	26,900	32,000	42,100	52,750	38,000	55,000	37,100	50,000	49,000	33,000
	---	25,500	22,313	28,800	36,125	37,125	31,000	50,000	---	34,000	---	28,000
	---	29,800	26,406	33,361	45,970	49,625	43,000	56,667	37,100	51,833	49,000	36,858
	---	5,957	5,406	6,178	15,857	11,898	15,133	7,638	7,071	18,817	29,698	13,335
	0	3	18	23	10	4	3	3	2	3	2	71
TOTAL	---	28,000	33,000	40,000	45,000	55,000	51,250	60,000	56,000	51,550	54,250	46,000
	---	25,950	30,000	34,000	39,100	45,000	44,000	47,500	47,520	45,950	42,000	37,000
	---	24,750	26,000	30,000	33,600	36,500	38,000	37,000	41,000	39,825	33,700	30,200
	---	26,263	29,633	35,090	40,541	45,797	45,076	50,827	49,962	50,647	45,659	39,931
	---	3,602	5,659	7,293	10,473	12,393	10,905	16,916	14,675	19,772	16,013	13,579
	0	30	169	198	140	87	62	97	63	30	32	908

Table 2.3.6

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN PRIVATE INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
1984 Survey of ACS Members

REGION	YEARS SINCE BS												
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Pacific	---	---	35,775	40,625	50,000	57,000	---	---	60,750	---	---	40,625	- 75th %-ile
	---	24,500	34,000	36,250	34,250	44,000	30,800	42,000	53,000	34,000	64,000	34,750	- 50th %-ile
	---	---	30,000	28,734	30,000	40,000	---	---	32,013	---	---	30,000	- 25th %-ile
	---	24,500	33,109	35,254	38,320	47,000	30,800	42,000	48,588	34,000	64,000	37,174	- Mean
	---	707	4,251	7,066	9,968	8,888	1,697	14,142	16,214	---	19,799	10,586	- Std Dev
	0	2	22	10	10	3	2	2	4	1	2	58	- Count
Mountain	---	---	---	41,250	61,025	---	---	---	---	---	---	42,500	
	---	---	39,600	34,600	32,250	57,000	60,000	32,000	---	---	---	34,800	
	---	---	---	28,278	27,250	---	---	---	---	---	---	31,500	
	---	---	39,600	34,914	40,175	57,000	60,000	32,000	---	---	---	39,307	
	---	---	0	6,375	20,258	---	---	---	---	---	---	12,419	
	0	0	2	8	4	1	1	1	0	0	0	17	
W.N. Central	---	31,000	30,320	32,995	47,500	---	---	66,700	---	---	---	40,390	
	---	26,000	28,400	30,350	38,500	27,600	10,800	42,710	41,885	---	46,000	30,750	
	---	21,000	22,938	23,625	25,750	---	---	33,750	---	---	---	26,600	
	---	26,000	27,218	28,858	37,250	27,600	10,800	48,753	41,885	---	46,000	34,687	
	---	5,000	3,625	5,244	11,325	---	---	20,170	3,345	---	---	14,404	
	0	3	6	8	4	1	1	8	2	0	1	34	
W.S. Central	---	---	34,013	43,650	44,500	59,750	45,300	66,600	85,000	---	55,000	50,030	
	---	28,000	30,000	36,000	40,050	42,520	40,500	64,000	56,000	---	48,000	41,050	
	---	---	28,890	31,709	29,055	28,000	36,500	42,000	41,000	---	37,200	33,700	
	---	28,000	30,935	37,158	43,168	43,453	40,900	59,255	59,571	---	49,982	45,151	
	---	---	2,466	7,366	17,220	17,054	5,010	18,554	22,082	---	18,027	16,962	
	0	1	6	18	12	8	6	11	7	0	11	80	
E.N. Central	---	26,325	32,875	38,000	42,750	55,000	54,000	50,500	61,625	87,550	46,600	45,000	
	---	25,550	30,000	33,200	38,000	44,500	44,500	43,500	45,960	52,000	32,150	36,500	
	---	20,000	26,805	30,000	33,925	35,500	40,250	38,950	33,075	43,450	25,525	31,000	
	---	24,000	30,284	34,842	39,236	46,184	48,005	46,935	47,753	62,800	36,300	39,211	
	---	3,136	5,217	6,970	7,853	12,347	11,818	13,307	15,144	24,619	13,744	12,451	
	0	6	28	43	36	19	10	18	8	5	6	179	
E.S. Central	---	---	---	34,200	54,750	---	45,500	---	---	---	---	45,000	
	---	---	25,225	31,000	42,360	44,900	43,000	---	70,000	---	---	36,000	
	---	---	---	28,036	33,930	---	36,000	---	---	---	---	30,536	
	---	---	25,225	31,094	43,680	44,900	41,500	---	70,000	---	---	39,114	
	---	---	1,732	3,449	10,938	141	4,924	---	---	---	---	11,955	
	0	0	2	5	4	2	3	0	1	0	0	17	
Mid-Atlantic	---	28,000	32,725	40,150	45,000	55,000	51,000	66,000	52,000	66,125	55,000	47,000	
	---	25,440	28,948	34,750	39,200	46,650	42,900	50,200	46,000	50,000	34,000	37,200	
	---	24,000	25,100	30,000	34,000	42,500	40,700	37,600	42,100	39,750	30,000	30,000	
	---	25,833	28,894	35,836	41,569	48,855	44,820	52,360	46,868	53,342	41,929	39,943	
	---	2,830	5,416	7,302	11,164	11,898	9,472	14,608	10,306	22,454	16,120	13,522	
	0	9	52	52	35	22	15	25	15	12	7	244	
So. Atlantic	---	---	32,800	42,150	46,225	44,000	51,520	54,500	61,250	70,750	---	47,390	
	---	26,500	24,500	35,190	40,500	35,750	41,500	49,800	48,760	41,150	48,000	39,650	
	---	---	19,975	28,250	31,750	30,750	37,236	41,700	44,000	34,200	---	32,000	
	---	26,500	26,450	34,699	39,557	37,063	44,217	52,631	53,128	48,700	48,000	40,848	
	---	1,414	7,560	8,705	7,671	7,571	9,620	18,423	12,913	21,315	14,142	14,186	
	0	2	9	18	14	8	6	13	8	4	2	84	
New England	---	---	32,250	39,072	44,225	53,250	57,528	57,000	43,000	---	---	42,475	
	---	32,000	28,500	30,975	39,000	41,000	44,500	41,000	31,000	45,700	---	34,650	
	---	---	25,000	28,000	34,975	26,875	38,125	36,500	30,000	---	---	29,625	
	---	32,000	28,978	33,803	39,700	40,375	46,102	49,038	34,667	45,700	---	37,027	
	---	---	7,157	6,606	6,424	13,720	11,906	19,932	7,234	8,061	---	12,178	
	0	1	17	15	6	4	6	8	3	2	0	62	
No Response	---	31,650	30,000	40,000	50,000	60,000	56,790	57,000	57,900	44,075	50,000	50,000	
	---	27,650	28,500	34,568	40,000	49,000	51,500	42,000	49,500	41,500	42,000	38,800	
	---	25,625	26,200	31,350	35,700	40,000	39,625	35,000	42,400	37,550	38,000	30,000	
	---	28,567	28,799	36,548	42,047	47,948	49,847	49,282	51,226	40,850	43,333	41,236	
	---	4,556	5,361	8,219	9,938	12,473	9,877	20,597	14,850	6,255	6,110	13,560	
	0	6	25	21	15	19	12	11	15	6	3	133	
TOTAL	---	28,000	33,000	40,000	45,000	55,000	51,250	60,000	56,000	51,550	54,250	46,000	
	---	25,950	30,000	34,000	39,100	45,000	44,000	47,500	47,520	45,950	42,000	37,000	
	---	24,750	26,000	30,000	33,600	36,500	38,000	37,000	41,000	39,825	33,700	30,200	
	---	26,263	29,633	35,090	40,541	45,797	45,076	50,827	49,962	50,647	45,659	39,931	
	---	3,602	5,659	7,293	10,473	12,393	10,905	16,916	14,675	19,772	16,013	13,579	
	0	30	169	198	140	87	62	97	63	30	32	908	

Table 2.4.1

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

SPECIALTY	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	38,259	46,000	45,750	57,250	65,000	67,000	67,000	---	---	51,813 - 75th %-ile
	---	---	35,500	41,700	44,150	50,000	55,955	53,000	63,090	57,500	40,000	44,250 - 50th %-ile
	---	---	34,150	35,000	38,466	48,000	51,250	26,500	47,928	---	---	38,100 - 25th %-ile
	---	---	35,192	40,132	43,687	52,717	59,446	48,000	58,589	57,500	40,000	45,955 - Mean
	---	---	4,911	7,680	7,864	13,096	12,532	22,683	10,298	19,092	---	12,759 - Std Dev
	0	0	8	27	16	12	8	5	5	2	1	84 - Count
Agricultural/ food chemistry	---	---	37,375	41,625	58,000	59,750	60,000	65,500	95,000	72,250	---	58,000
	---	---	36,250	39,000	50,650	50,000	53,100	56,000	62,400	56,400	---	48,000
	---	---	34,525	35,750	39,775	45,250	49,375	50,000	56,000	43,750	---	39,000
	---	---	36,083	39,107	50,568	52,933	54,370	59,591	71,200	56,975	---	50,142
	---	---	2,506	6,620	13,536	12,134	6,269	15,869	19,086	15,183	---	14,652
	0	0	6	30	20	21	10	11	7	8	0	113
Analytical chemistry	---	---	37,750	45,625	50,000	60,475	66,100	64,250	62,300	56,375	64,025	52,550
	---	---	35,400	41,236	45,000	49,550	51,520	51,050	55,000	50,000	38,000	44,000
	---	---	33,000	37,175	39,000	42,475	44,058	39,900	47,000	38,300	29,650	37,150
	---	---	35,690	41,561	44,236	52,576	54,458	53,198	56,687	52,860	43,900	46,469
	---	---	4,080	5,827	9,126	13,745	13,084	15,120	12,599	18,398	17,117	12,660
	0	0	41	62	77	48	26	26	21	10	14	325
Environmental chemistry	---	---	---	45,000	61,000	67,750	63,000	79,000	96,750	70,875	---	67,500
	---	---	34,750	40,000	43,000	61,000	54,000	62,262	72,500	56,500	---	51,000
	---	---	---	34,975	34,000	48,000	45,450	51,250	41,500	44,896	---	40,000
	---	---	34,750	41,032	50,791	58,415	55,835	65,541	70,250	54,710	---	54,112
	---	---	7,425	6,859	19,793	11,695	12,869	16,126	28,802	19,600	---	17,292
	0	0	2	12	11	13	9	8	4	8	0	67
Organic chemistry	---	---	38,500	45,798	52,613	56,640	64,000	68,000	70,000	76,250	69,000	56,000
	---	---	36,000	40,000	46,500	52,000	55,000	52,500	54,000	56,500	59,000	48,000
	---	---	33,800	36,000	39,850	46,000	46,610	46,500	47,800	49,825	37,800	39,850
	---	---	36,361	41,283	47,387	53,017	55,732	57,260	58,251	62,021	56,289	49,653
	---	---	4,409	6,752	10,256	10,554	12,540	14,464	15,627	21,493	19,743	13,820
	0	0	57	72	76	70	61	53	28	18	9	444
Inorganic chemistry	---	---	42,275	47,250	52,000	60,000	68,750	76,000	80,000	67,550	53,750	53,750
	---	---	36,700	42,830	45,000	50,000	50,590	57,950	66,000	55,750	43,000	46,000
	---	---	35,250	39,600	38,000	41,900	34,316	52,125	38,250	51,375	36,000	38,625
	---	---	38,592	43,470	45,171	53,794	52,056	62,280	61,417	58,225	44,250	48,535
	---	---	4,853	5,401	8,043	13,142	18,381	15,407	21,249	8,828	9,743	12,867
	0	0	18	30	23	19	8	16	3	4	4	125
Pharmaceutical/ medicinal/ clinical chemistry	---	---	37,750	45,000	60,250	70,000	62,000	69,000	81,000	84,106	72,344	62,000
	---	---	36,000	40,500	45,000	57,500	56,120	59,000	69,500	65,500	62,338	47,000
	---	---	32,500	36,475	40,225	44,710	42,750	46,000	44,000	51,500	42,450	39,000
	---	---	35,434	41,430	49,558	58,387	56,408	60,145	65,943	70,517	59,044	51,864
	---	---	4,253	7,077	11,736	18,421	14,945	17,179	20,674	18,641	16,257	17,035
	0	0	28	36	50	29	20	20	10	18	4	215
Physical chemistry	---	---	41,750	48,225	55,750	61,000	60,000	72,000	75,000	86,000	---	60,000
	---	---	39,000	44,000	49,000	53,000	54,000	60,000	69,210	80,000	---	48,450
	---	---	35,425	38,950	40,000	46,190	46,000	49,800	55,221	45,610	---	41,415
	---	---	38,700	45,035	49,916	54,889	55,274	60,960	66,881	68,644	---	52,286
	---	---	5,292	8,796	11,399	13,947	11,862	14,064	11,006	21,812	---	13,934
	0	0	16	34	38	29	19	19	12	5	0	172
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	64,000
	---	---	34,500	35,318	67,000	57,360	---	---	55,000	---	---	55,000
	---	---	---	---	---	---	---	---	---	---	---	34,736
	---	---	34,500	35,318	67,000	57,360	---	---	55,000	---	---	50,214
	---	---	---	823	4,243	---	---	---	---	---	---	14,983
	0	0	1	2	2	1	0	0	1	0	0	7
Polymer/ macromolecular chemistry	---	---	40,750	44,000	52,120	63,185	64,000	69,600	70,000	68,000	54,000	60,000
	---	---	37,500	40,000	47,500	52,546	56,000	60,000	60,000	61,000	46,150	49,400
	---	---	35,825	36,400	40,916	45,225	49,450	50,097	50,000	50,000	38,525	41,000
	---	---	37,844	40,626	48,332	54,993	56,940	60,496	61,206	60,632	46,793	51,412
	---	---	3,841	5,151	9,687	13,445	10,280	15,425	13,787	12,377	10,896	13,573
	0	0	41	51	70	62	49	49	27	20	14	383
Other chemistry	---	---	41,500	48,800	52,850	77,500	64,000	52,000	---	75,000	89,750	60,000
	20,500	---	37,500	43,000	47,500	62,000	52,000	50,000	66,850	74,500	60,500	48,600
	---	---	35,018	39,000	38,375	52,250	46,000	40,000	---	56,000	26,000	40,600
	20,500	---	38,189	45,335	45,872	64,068	55,633	52,138	66,850	68,500	58,750	51,415
	---	---	3,955	9,474	10,384	14,873	9,522	17,710	18,597	12,342	33,738	15,581
	1	0	12	17	22	17	15	11	2	4	4	105
TOTAL	---	---	38,825	45,000	52,575	62,000	63,150	67,250	70,277	75,000	63,000	58,000
	20,500	---	36,350	41,000	46,000	52,000	55,000	57,000	60,000	59,000	45,400	47,250
	---	---	34,000	36,800	40,000	45,850	46,810	48,218	49,850	50,000	36,000	40,000
	20,500	---	36,756	41,658	47,448	54,834	55,807	58,409	61,511	61,707	49,290	49,976
	---	---	4,391	6,893	10,794	13,495	12,015	15,641	15,523	17,755	17,394	14,286
	1	0	230	373	405	321	225	218	120	97	50	2,040

Table 2.4.1.1

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY -MEN Only
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	38,218	46,000	46,500	58,000	65,000	67,000	67,000	---	---	54,250 - 75th %-ile
	---	---	36,000	42,000	44,150	50,000	55,955	53,000	63,090	57,500	40,000	45,000 - 50th %-ile
	---	---	34,800	35,000	37,691	48,000	51,250	26,500	47,928	---	---	38,450 - 25th %-ile
	---	---	36,407	41,195	43,885	54,873	59,446	48,000	58,589	57,500	40,000	47,446 - Mean
	---	---	1,731	6,107	8,360	11,283	12,532	22,683	10,298	19,092	---	12,433 - Std Dev
	0	0	5	23	14	11	8	5	5	2	1	74 - Count
Agricultural/ food chemistry	---	---	38,250	41,750	58,000	59,750	60,000	65,500	95,000	75,000	---	58,215
	---	---	36,000	39,000	50,000	50,000	56,200	56,000	62,400	60,000	---	49,000
	---	---	35,750	36,855	40,250	45,250	49,250	50,000	56,000	42,000	---	39,850
	---	---	36,000	39,988	49,904	52,933	54,856	59,591	71,200	58,114	---	50,922
	---	---	2,792	6,556	13,377	12,134	6,447	15,869	19,086	16,026	---	14,711
	0	0	5	25	17	21	9	11	7	7	0	102
Analytical chemistry	---	---	37,750	45,600	50,125	63,000	67,400	64,000	63,000	86,375	65,450	53,550
	---	---	35,760	42,000	45,000	51,000	53,040	51,050	56,000	50,000	42,500	45,000
	---	---	33,000	37,400	39,000	45,000	43,716	40,313	46,500	38,300	34,500	38,400
	---	---	35,880	41,841	44,633	54,146	54,636	52,964	57,127	52,860	49,320	47,261
	---	---	4,095	5,633	9,283	13,644	13,321	14,060	13,173	18,398	17,402	12,750
	0	0	37	51	70	43	25	24	19	10	10	289
Environmental chemistry	---	---	---	44,750	71,500	67,750	63,000	77,000	96,750	70,875	---	68,000
	---	---	34,750	39,900	46,500	61,000	54,000	62,262	72,500	56,500	---	53,000
	---	---	---	34,975	33,250	48,000	45,450	51,450	41,500	44,896	---	40,500
	---	---	34,750	40,850	52,856	58,415	55,835	63,721	70,250	54,710	---	54,829
	---	---	7,425	7,646	21,512	11,695	12,869	13,718	28,802	19,600	---	17,250
	0	0	2	8	9	13	9	6	4	8	0	59
Organic chemistry	---	---	38,550	45,948	52,500	58,125	64,375	62,650	70,185	72,750	72,000	56,000
	---	---	36,000	40,000	46,500	52,000	54,500	52,500	54,000	56,000	53,000	48,000
	---	---	33,800	36,075	39,850	45,775	46,305	45,750	48,200	49,650	36,700	40,000
	---	---	36,184	41,515	47,429	53,104	55,768	56,845	58,972	59,294	55,950	49,672
	---	---	4,083	6,877	10,325	10,986	12,951	14,486	15,716	19,884	21,079	13,791
	0	0	50	66	72	64	56	50	25	17	8	408
Inorganic chemistry	---	---	41,025	48,000	52,000	60,000	68,750	79,250	80,000	59,000	53,750	54,000
	---	---	36,700	43,000	45,300	50,000	50,590	57,950	66,000	52,500	43,000	47,000
	---	---	35,150	39,600	38,000	41,900	34,316	52,375	38,250	51,000	36,000	38,250
	---	---	38,391	43,841	45,550	54,159	52,056	64,178	61,417	54,167	44,250	48,699
	---	---	4,938	5,576	8,246	13,784	18,381	14,726	21,249	4,252	9,743	13,036
	0	0	16	27	21	15	8	14	3	3	4	111
Pharmaceutical/ medicinal clinical chemistry	---	---	37,750	46,500	60,250	70,000	62,500	70,750	84,000	84,106	72,344	64,281
	---	---	36,000	39,900	45,000	58,000	57,620	60,500	74,000	65,500	62,338	49,000
	---	---	32,500	36,475	40,000	45,420	44,250	52,000	45,700	51,500	42,450	39,880
	---	---	35,631	41,484	49,795	59,245	58,041	61,717	68,489	69,795	59,044	52,441
	---	---	4,419	7,401	11,652	18,651	14,319	16,846	20,197	18,109	16,257	17,052
	0	0	24	32	42	27	18	18	9	14	4	188
Physical chemistry	---	---	40,000	49,250	55,000	60,000	60,000	72,000	75,000	89,000	---	60,000
	---	---	38,000	44,000	50,000	53,000	55,000	60,000	69,210	65,000	---	49,900
	---	---	34,000	38,900	40,000	46,380	47,200	48,850	55,221	43,415	---	42,000
	---	---	37,554	45,300	50,220	55,121	56,067	60,457	66,881	65,805	---	52,635
	---	---	5,003	9,395	11,510	13,933	11,677	14,295	11,006	24,096	---	14,032
	0	0	13	29	35	27	18	18	12	4	0	156
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	65,500
	---	---	34,500	35,900	67,000	57,360	---	---	55,000	---	---	56,180
	---	---	---	---	---	---	---	---	---	---	---	35,550
	---	---	34,500	35,900	67,000	57,360	---	---	55,000	---	---	52,793
	---	---	---	---	4,243	---	---	---	---	---	---	14,611
	0	0	1	1	2	1	0	0	1	0	0	6
Polymer/ macromolecular chemistry	---	---	40,875	44,750	52,240	63,790	63,500	69,600	69,950	65,000	58,000	60,000
	---	---	37,550	41,200	47,000	52,000	57,000	60,000	58,900	60,000	46,150	49,200
	---	---	35,925	36,650	40,332	45,150	49,000	49,700	50,000	50,000	38,325	41,238
	---	---	37,827	41,144	48,163	54,757	56,824	60,329	60,540	59,349	47,092	51,432
	---	---	3,930	5,060	9,794	12,954	10,515	15,972	13,996	11,268	11,538	13,430
	0	0	36	44	65	57	46	45	24	19	12	348
Other chemistry	---	---	42,625	48,600	52,950	80,000	64,250	52,000	---	75,000	98,000	62,000
	20,500	---	38,000	42,000	48,000	65,000	52,000	50,000	66,850	75,000	65,000	48,800
	---	---	36,293	38,000	39,125	47,500	45,500	40,000	---	74,000	56,000	41,000
	20,500	---	39,027	44,733	46,405	64,944	55,393	52,138	66,850	74,667	73,000	52,231
	---	---	3,771	9,840	10,706	15,677	9,834	17,710	18,597	577	22,113	15,688
	1	0	10	15	20	15	14	11	2	3	3	94
TOTAL	---	---	38,760	45,450	52,980	62,000	64,000	67,000	72,500	74,000	64,025	58,300
	20,500	---	36,400	41,472	46,500	52,550	55,000	56,000	60,000	58,000	48,250	48,000
	---	---	34,000	37,000	40,000	46,000	46,620	48,218	50,000	50,000	36,950	40,000
	20,500	---	36,746	42,025	47,618	55,287	56,021	58,303	61,955	60,448	51,859	50,390
	---	---	4,227	6,868	10,869	13,493	12,157	15,569	15,643	17,146	16,926	14,247
	1	0	199	321	367	294	211	202	111	87	42	1,835

Table 2.4.1.2

SALARIES of FULL-TIME EMPLOYED PH.D.CHEMISTS IN PRIVATE INDUSTRY WOMEN Only
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

SPECIALTY	YEARS SINCE BS											
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	41,000	45,300	---	---	---	---	---	---	---	42,000 - 75th %-ile
	---	---	34,000	36,650	42,300	29,000	---	---	---	---	---	36,800 - 50th %-ile
	---	---	24,500	20,103	---	---	---	---	---	---	---	27,875 - 25th %-ile
	---	---	33,167	34,018	42,300	29,000	---	---	---	---	---	34,917 - Mean
	---	---	8,282	13,384	3,818	---	---	---	---	---	---	9,693 - Std Dev
	0	0	3	4	2	1	0	0	0	0	0	10 - Count
Agricultural/ food chemistry	---	---	---	36,500	---	---	---	---	---	---	---	39,200
	---	---	36,500	33,750	45,250	---	---	---	---	---	---	36,500
	---	---	---	28,375	---	---	---	---	---	---	---	32,500
	---	---	36,500	32,875	45,250	---	---	---	---	---	---	36,929
	---	---	---	4,328	8,556	---	---	---	---	---	---	7,459
	0	0	1	4	2	0	0	0	0	0	0	7
Analytical chemistry	---	---	38,025	43,350	48,225	42,250	---	---	---	---	34,850	40,000
	---	---	33,420	37,800	38,080	38,000	---	32,000	---	---	29,200	36,080
	---	---	30,360	35,740	34,950	35,535	---	---	---	---	27,000	31,850
	---	---	33,935	38,931	40,310	38,595	---	32,000	---	---	30,350	36,991
	---	---	4,021	5,265	7,236	3,580	---	---	---	---	4,300	6,009
	0	0	4	9	6	4	0	1	0	0	4	28
Environmental chemistry	---	---	---	46,500	---	---	---	---	---	---	---	50,000
	---	---	---	42,500	41,500	---	---	71,000	---	---	---	44,000
	---	---	---	35,187	---	---	---	---	---	---	---	40,000
	---	---	---	41,396	41,500	---	---	71,000	---	---	---	48,823
	---	---	---	5,983	2,121	---	---	28,284	---	---	---	17,822
	0	0	0	4	2	0	0	2	0	0	0	8
Organic chemistry	---	---	38,200	42,000	---	---	---	---	---	---	---	54,500
	---	---	36,000	37,000	47,750	---	58,500	74,000	---	---	59,000	38,200
	---	---	33,600	35,300	---	---	---	---	---	---	---	35,400
	---	---	37,629	38,733	47,750	---	58,500	74,000	---	---	59,000	44,279
	---	---	6,570	4,910	9,546	---	4,950	---	---	---	---	11,827
	0	0	7	6	2	0	2	1	0	0	1	19
Inorganic chemistry	---	---	---	---	---	---	---	---	---	---	---	40,800
	---	---	36,400	40,400	41,200	40,000	---	36,000	---	---	---	40,000
	---	---	---	---	---	---	---	---	---	---	---	36,400
	---	---	36,400	40,400	41,200	40,000	---	36,000	---	---	---	39,371
	---	---	---	566	5,374	---	---	---	---	---	---	3,125
	0	0	1	2	2	1	0	1	0	0	0	7
Pharmaceutical/ medicinal/ clinical chemistry	---	---	37,500	44,000	72,000	---	---	---	---	---	---	57,500
	---	---	34,000	44,000	42,000	56,000	29,928	46,000	43,025	72,642	---	42,000
	---	---	31,250	35,000	41,000	---	---	---	---	---	---	34,000
	---	---	34,250	41,000	51,667	56,000	29,928	46,000	43,025	72,642	---	45,955
	---	---	3,304	5,196	17,616	---	---	18,385	---	14,162	---	15,322
	0	0	4	3	3	1	1	2	1	2	0	17
Physical chemistry	---	---	48,000	47,250	---	---	---	---	---	---	---	50,500
	---	---	42,000	42,750	46,550	---	---	70,000	---	---	---	43,500
	---	---	41,000	38,625	---	---	---	---	---	---	---	39,875
	---	---	43,667	42,875	46,550	---	---	70,000	---	---	---	46,560
	---	---	3,786	4,479	16,193	---	---	---	---	---	---	10,435
	0	0	3	4	2	0	0	1	0	0	0	10
Theoretical chemistry	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	34,736	---	---	---	---	---	---	---	34,736
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	34,736	---	---	---	---	---	---	---	34,736
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	1	0	0	0	0	0	0	0	1
Polymer/ macromolecular chemistry	---	---	37,025	40,000	57,500	---	---	---	---	---	---	47,225
	---	---	35,400	36,400	50,000	37,380	---	---	81,000	---	39,000	38,425
	---	---	34,400	35,000	43,800	---	---	---	---	---	---	35,300
	---	---	35,608	37,364	50,520	37,380	---	---	81,000	---	39,000	43,242
	---	---	1,325	4,824	8,806	---	---	---	---	---	---	12,398
	0	0	3	7	5	1	0	0	1	0	1	18
Other chemistry	---	---	---	---	---	---	---	---	---	---	---	54,000
	---	---	34,000	49,850	37,080	57,000	---	---	---	---	16,000	37,080
	---	---	---	---	---	---	---	---	---	---	---	33,000
	---	---	34,000	49,850	37,080	57,000	---	---	---	---	16,000	39,683
	---	---	1,414	5,869	---	---	---	---	---	---	---	13,996
	0	0	2	2	1	1	0	0	0	0	1	7
TOTAL	---	---	38,150	44,250	50,000	49,500	62,000	73,000	---	---	39,000	45,700
	---	---	35,700	38,000	42,000	40,000	55,000	55,000	62,013	72,642	31,400	38,600
	---	---	33,150	35,000	39,200	35,690	29,928	33,750	---	---	27,000	35,000
	---	---	36,227	38,853	45,024	41,529	48,976	55,750	62,013	72,642	33,629	41,580
	---	---	5,331	6,586	9,273	9,342	16,863	21,658	26,852	14,162	13,428	11,706
	0	0	28	46	27	9	3	8	2	2	7	132

Table 2.4.2

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME In PRIVATE INDUSTRY
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Mgt-R&D	---	---	43,875	51,250	64,000	71,805	70,000	76,600	79,000	79,200	65,750	69,800 - 75th %-ile
	---	---	38,700	45,600	53,000	58,000	60,000	61,200	66,000	64,000	63,500	58,000 - 50th %-ile
	---	---	35,000	41,850	47,000	50,625	52,780	55,500	54,000	57,000	60,475	49,000 - 25th %-ile
	---	---	39,713	46,828	54,872	61,746	60,911	65,164	66,704	68,945	66,033	59,580 - Mean
	---	---	4,760	8,933	11,234	14,899	11,787	15,249	16,388	16,862	15,915	14,983 - Std Dev
	0	0	8	58	115	116	65	69	49	31	12	523 - Count
Basic Research	---	---	38,300	44,050	48,500	62,000	63,500	69,475	70,000	79,250	44,350	51,000
	---	---	36,400	40,000	42,900	55,000	55,000	55,900	55,600	60,000	36,550	42,000
	---	---	34,000	36,390	40,000	48,000	48,000	48,750	47,914	49,825	35,700	37,000
	---	---	36,433	40,707	43,986	54,444	56,656	58,117	58,020	62,811	42,688	45,662
	---	---	4,145	6,022	7,986	9,625	10,556	14,508	13,611	13,635	13,921	11,934
	0	0	79	98	61	31	33	30	13	10	8	363
Applied R&D	---	---	38,900	44,000	49,625	53,525	58,000	60,000	66,105	60,000	55,500	50,400
	20,500	---	36,000	40,000	43,300	48,000	51,000	51,000	54,180	53,000	43,000	43,700
	---	---	33,800	36,135	38,370	42,750	45,000	44,245	47,750	47,175	36,250	38,000
	20,500	---	36,707	40,598	44,100	48,841	51,855	52,471	57,157	53,278	46,912	45,268
	---	---	4,502	5,843	7,419	9,424	9,622	10,753	12,929	13,071	13,329	10,208
	1	0	123	190	170	118	85	73	34	28	17	839
Gen Mgt	---	---	---	49,000	70,000	67,000	72,500	83,250	69,000	98,300	---	75,000
	---	---	40,250	45,000	50,000	55,900	67,000	74,000	60,000	78,000	69,688	60,000
	---	---	---	31,750	34,000	49,500	53,000	51,549	55,500	60,250	---	48,000
	---	---	40,250	41,300	51,279	58,794	65,319	70,126	61,000	76,511	69,688	61,398
	---	---	5,303	8,983	21,003	13,172	14,928	19,282	11,236	21,238	7,513	18,841
	0	0	2	5	15	18	9	18	9	9	2	87
Marketing	---	---	41,813	---	49,170	60,075	66,500	61,755	82,000	79,409	---	60,560
	---	---	36,000	45,000	45,000	57,000	62,000	55,000	58,000	58,000	50,600	50,800
	---	---	35,880	---	41,000	49,413	49,250	40,000	50,800	49,500	---	42,313
	---	---	38,277	45,000	45,338	55,197	59,500	52,003	63,600	63,164	50,600	52,849
	---	---	3,280	7,071	5,359	9,589	9,366	11,870	16,336	15,240	---	11,929
	0	0	5	2	9	12	8	8	3	5	1	53
Prod & QC	---	---	39,500	44,200	50,000	53,250	62,500	55,800	82,000	---	40,000	49,750
	---	---	37,500	40,000	43,700	44,000	49,000	43,125	45,000	51,000	28,600	42,500
	---	---	33,000	32,450	36,159	38,500	38,243	37,225	41,125	---	27,000	36,475
	---	---	36,500	39,100	43,150	45,595	50,165	46,369	58,250	51,000	30,514	43,910
	---	---	3,536	7,204	10,263	12,322	18,263	10,223	23,973	5,657	9,479	13,512
	0	0	5	8	19	13	9	8	5	2	7	76
Forensic	---	---	35,750	43,761	45,000	47,000	53,000	57,500	---	---	---	47,000
	---	---	34,750	35,950	41,500	35,600	50,000	47,000	46,210	---	40,000	41,000
	---	---	32,205	33,862	33,800	29,002	36,850	44,000	---	---	---	34,700
	---	---	34,235	37,858	40,100	37,201	45,940	49,500	46,210	---	40,000	41,500
	---	---	1,965	5,602	6,102	9,105	9,136	7,550	5,360	---	---	7,955
	0	0	4	4	4	3	5	4	2	0	1	27
Writing/ Editing	---	---	---	---	---	---	53,000	---	---	---	---	49,400
	---	---	---	47,950	---	---	45,000	23,348	---	45,000	---	45,350
	---	---	---	---	---	---	33,196	---	---	---	---	33,196
	---	---	---	47,950	---	---	43,732	23,348	---	45,000	---	42,397
	---	---	---	3,182	---	---	10,468	---	---	---	---	11,338
	0	0	0	2	0	0	4	1	0	1	0	8
Data Processing	---	---	---	---	---	---	---	---	---	---	---	58,500
	---	---	---	43,400	51,000	72,000	48,950	---	---	41,000	---	47,450
	---	---	---	---	---	---	---	---	---	---	---	42,800
	---	---	---	43,400	51,000	72,000	48,950	---	---	41,000	---	50,883
	---	---	---	---	---	---	7,142	---	---	---	---	11,472
	0	0	0	1	1	1	2	0	0	1	0	5
Consulting	---	---	40,000	---	---	---	---	---	---	80,000	---	59,000
	---	---	35,070	56,000	---	51,000	50,000	35,262	36,000	75,000	---	50,000
	---	---	29,500	---	---	---	---	---	---	52,000	---	35,535
	---	---	34,857	56,000	---	51,000	50,000	35,262	36,000	69,000	---	48,161
	---	---	5,253	---	---	15,556	---	24,412	---	14,933	---	17,641
	0	0	3	1	0	2	1	2	1	3	0	13
Other	---	---	---	---	63,500	69,000	83,050	---	81,435	57,000	---	63,370
	---	---	47,000	42,500	60,000	67,500	62,000	57,500	59,870	43,600	43,000	55,000
	---	---	---	---	40,500	47,000	60,000	---	50,500	30,525	---	44,000
	---	---	47,000	42,500	53,600	59,900	68,350	57,500	63,935	42,317	43,000	54,213
	---	---	---	3,536	12,502	12,002	12,770	6,364	16,689	16,084	---	14,849
	0	0	1	2	5	5	3	2	4	6	1	29
No Response	---	---	---	---	49,913	---	---	100,000	---	---	---	51,863
	---	---	---	33,240	40,000	44,750	47,200	59,900	---	75,000	46,500	46,750
	---	---	---	---	35,000	---	---	47,000	---	---	---	40,000
	---	---	---	39,140	41,608	44,750	47,200	68,967	---	75,000	46,500	49,577
	---	---	---	3,903	7,817	6,718	---	27,639	---	---	---	16,979
	0	0	0	2	6	2	1	3	0	1	1	16
TOTAL	---	---	38,825	45,000	52,575	62,000	63,150	67,250	70,277	75,000	63,000	58,000
	20,500	---	36,350	41,000	46,000	52,000	55,000	57,000	60,000	59,000	45,400	47,250
	---	---	34,000	36,800	40,000	45,850	46,810	48,218	49,850	50,000	36,000	40,000
	20,500	---	36,756	41,658	47,448	54,834	55,807	58,409	61,511	61,707	49,290	49,976
	---	---	4,391	6,893	10,794	13,495	12,015	15,641	15,523	17,755	17,394	14,286
	1	0	230	373	405	321	225	218	120	97	50	2,040

Table 2.4.2.1

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY -MEN Only
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
WORK FUNCTION	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	---	44,000	51,500	63,125	72,250	70,000	77,000	78,750	75,375	66,000	69,700	- 75th %-ile
	---	---	39,000	45,600	52,990	60,000	60,750	60,000	65,800	63,750	64,000	58,000	- 50th %-ile
	---	---	38,000	41,700	47,000	50,750	52,890	55,000	54,000	53,625	61,000	49,000	- 25th %-ile
	---	---	40,529	46,995	54,671	62,115	61,301	65,005	66,406	67,489	66,673	59,624	- Mean
	---	---	4,496	9,073	11,073	14,680	11,924	15,714	16,427	16,340	16,529	14,892	- Std Dev
	0	0	7	53	108	109	62	63	48	28	11	489	- Count
Basic Research	---	---	38,300	44,150	48,500	61,000	63,500	69,475	70,625	79,290	44,350	51,000	
	---	---	36,500	40,000	42,900	55,000	54,000	55,900	58,289	60,000	36,550	42,630	
	---	---	34,000	36,650	39,250	48,000	48,000	48,750	49,767	49,825	35,700	37,000	
	---	---	36,255	41,097	43,882	54,280	56,509	58,117	61,193	62,811	42,688	46,089	
	---	---	3,734	5,468	7,980	9,121	10,902	14,308	13,399	13,635	13,921	12,106	
	0	0	67	80	53	27	29	30	10	10	8	314	
Applied R&D	---	---	38,709	44,000	50,000	53,550	57,700	60,000	64,250	58,920	58,000	51,000	
	20,500	---	36,000	40,200	43,800	48,000	50,800	50,000	54,180	53,000	50,000	44,000	
	---	---	33,750	36,250	38,400	43,000	45,000	44,490	48,000	44,610	38,250	38,125	
	20,500	---	36,681	40,849	44,341	49,152	51,739	52,409	57,197	51,674	49,238	45,523	
	---	---	4,411	5,964	7,583	9,552	9,680	10,105	12,891	11,817	13,944	10,158	
	1	0	106	167	151	105	81	67	32	25	13	748	
Gen Mgt	---	---	---	49,500	70,000	69,000	72,500	80,500	75,000	92,075	---	75,000	
	---	---	40,250	38,500	50,000	57,900	67,000	72,000	60,000	76,500	69,688	60,000	
	---	---	---	31,625	34,000	50,000	53,000	51,097	56,000	54,875	---	48,375	
	---	---	40,250	39,875	51,279	60,331	65,319	68,898	61,571	73,575	69,688	61,158	
	---	---	5,303	9,699	21,003	13,035	14,928	19,136	12,700	20,660	7,513	18,625	
	0	0	2	4	15	16	9	17	7	8	2	80	
Marketing	---	---	41,813	---	50,085	60,075	66,500	62,515	82,000	80,000	---	60,790	
	---	---	36,000	45,000	44,500	57,000	62,000	55,000	58,000	78,818	50,600	51,350	
	---	---	35,880	---	40,500	49,413	49,250	40,000	50,800	58,000	---	42,156	
	---	---	38,277	45,000	45,255	55,197	59,500	53,003	63,600	72,273	50,600	53,292	
	---	---	3,280	7,071	5,723	9,589	9,366	11,174	16,336	12,375	---	12,163	
	0	0	5	2	8	12	8	6	3	3	1	48	
Prod & QC	---	---	39,500	44,600	53,000	55,875	66,250	55,800	82,000	---	43,750	50,000	
	---	---	37,500	40,000	43,500	44,000	45,500	43,125	45,000	51,000	35,000	43,000	
	---	---	33,000	39,800	34,750	39,620	37,864	37,225	41,125	---	28,950	37,500	
	---	---	36,500	40,829	43,125	46,261	50,186	46,369	58,250	51,000	35,900	45,115	
	---	---	3,536	5,715	10,954	12,623	19,524	10,223	23,973	5,657	7,910	13,363	
	0	0	5	7	16	12	8	8	5	2	4	67	
Forensic	---	---	36,000	45,948	45,000	47,000	54,500	57,500	---	---	---	45,948	
	---	---	35,000	37,200	41,500	35,600	45,500	47,000	42,420	---	40,000	41,000	
	---	---	34,500	34,700	33,800	29,002	34,775	44,000	---	---	---	35,000	
	---	---	35,167	39,283	40,100	37,201	44,925	49,500	42,420	---	40,000	41,542	
	---	---	764	5,906	6,102	9,105	10,219	7,550	---	---	---	7,796	
	0	0	3	3	4	3	4	4	1	0	1	23	
Writing/ Editing	---	---	---	---	---	---	55,000	---	---	---	---	51,400	
	---	---	---	50,200	---	---	47,000	23,348	---	45,000	---	46,000	
	---	---	---	---	---	---	43,000	---	---	---	---	38,087	
	---	---	---	50,200	---	---	48,333	23,348	---	45,000	---	43,925	
	---	---	---	---	---	---	6,110	---	---	---	---	10,926	
	0	0	0	1	0	0	3	1	0	1	0	6	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	58,500	
	---	---	---	43,400	51,000	72,000	48,950	---	---	41,000	---	47,450	
	---	---	---	---	---	---	---	---	---	---	---	42,800	
	---	---	---	43,400	51,000	72,000	48,950	---	---	41,000	---	50,883	
	---	---	---	---	---	---	7,142	---	---	---	---	11,472	
	0	0	0	1	1	1	2	0	0	1	0	6	
Consulting	---	---	40,000	---	---	---	---	---	---	---	---	55,131	
	---	---	35,070	56,000	---	51,000	50,000	35,262	36,000	63,500	---	45,000	
	---	---	29,500	---	---	---	---	---	---	---	---	35,303	
	---	---	34,857	56,000	---	51,000	50,000	35,262	36,000	63,500	---	45,508	
	---	---	5,253	---	---	15,556	---	24,412	---	16,263	---	15,481	
	0	0	3	1	0	2	1	2	1	2	0	12	
Other	---	---	---	---	63,500	69,000	83,050	---	81,435	57,000	---	64,055	
	---	---	47,000	45,000	60,000	67,500	62,000	57,500	59,870	43,600	43,000	55,500	
	---	---	---	---	40,500	47,000	60,000	---	50,500	30,525	---	44,250	
	---	---	47,000	45,000	53,600	59,900	68,350	57,500	63,935	42,317	43,000	54,721	
	---	---	---	---	12,502	12,002	12,770	6,364	16,689	16,084	---	14,863	
	0	0	1	1	5	5	3	2	4	6	1	28	
No Response	---	---	---	---	49,913	---	---	---	---	---	---	54,463	
	---	---	---	42,000	40,000	44,750	47,200	79,950	---	75,000	46,500	46,850	
	---	---	---	---	35,000	---	---	---	---	---	---	40,000	
	---	---	---	42,000	41,608	44,750	47,200	79,950	---	75,000	46,500	50,696	
	---	---	---	---	7,817	6,718	---	28,355	---	---	---	17,821	
	0	0	0	1	6	2	1	2	0	1	1	14	
TOTAL	---	---	38,760	45,450	52,980	62,000	64,000	67,000	72,500	74,000	64,025	58,300	
	20,500	---	36,400	41,472	46,500	52,550	55,000	56,000	60,000	58,000	48,250	48,000	
	---	---	34,000	37,000	40,000	46,000	46,620	48,218	50,000	50,000	36,950	40,000	
	20,500	---	36,746	42,025	47,618	55,287	56,021	58,303	61,955	60,448	51,859	50,390	
	---	---	4,227	6,868	10,869	13,493	12,157	15,569	15,643	17,146	16,926	14,247	
	1	0	199	321	367	294	211	202	111	87	42	1,835	

Table 2.4.2.2

SALARIES of Ph.D. CHEMISTS EMPLOYED FULL-TIME IN PRIVATE INDUSTRY - WOMEN Only
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS												
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	---	---	51,000	70,250	57,000	---	---	---	---	---	62,628	- 75th %-ile
	---	---	34,000	46,800	58,150	56,000	55,000	66,500	81,000	62,628	59,000	55,000	- 50th %-ile
	---	---	---	38,250	42,825	29,000	---	---	---	---	---	44,000	- 25th %-ile
	---	---	34,000	45,060	57,075	47,333	55,000	66,500	81,000	62,628	59,000	53,696	- Mean
	---	---	---	7,913	14,265	15,885	---	10,607	---	---	---	14,121	- Std Dev
	0	0	1	5	4	3	1	2	1	1	1	19	- Count
Basic Research	---	---	38,200	42,400	45,000	---	---	---	---	---	---	42,000	
	---	---	36,000	38,000	41,600	---	---	---	---	---	---	38,000	
	---	---	33,600	35,000	41,000	---	---	---	---	---	---	35,000	
	---	---	36,827	38,030	43,057	---	---	---	---	---	---	38,657	
	---	---	5,994	7,147	7,793	---	---	---	---	---	---	7,112	
	0	0	11	17	7	0	0	0	0	0	0	35	
Applied R&D	---	---	38,900	40,625	48,750	40,750	---	65,250	---	---	39,000	42,250	
	---	---	36,000	37,450	40,000	38,690	62,000	42,000	43,025	82,656	36,000	37,825	
	---	---	33,000	35,000	37,240	35,845	---	32,250	---	---	31,400	35,075	
	---	---	36,255	38,092	42,598	38,627	62,000	46,500	43,025	82,656	35,467	40,243	
	---	---	5,184	4,736	6,271	2,895	---	17,935	---	---	3,828	9,215	
	0	0	15	18	13	6	1	4	1	1	3	62	
Gen Mgt	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	47,000	---	---	---	91,000	---	---	---	69,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	47,000	---	---	---	91,000	---	---	---	69,000	
	---	---	---	---	---	---	---	---	---	---	---	31,113	
	0	0	0	1	0	0	0	1	0	0	0	2	
Marketing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	46,000	---	---	36,000	---	---	---	41,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	46,000	---	---	36,000	---	---	---	41,000	
	---	---	---	---	---	---	---	---	---	---	---	7,071	
	0	0	0	0	1	0	0	1	0	0	0	2	
Prod & QC	---	---	---	---	---	---	---	---	---	---	27,000	39,619	
	---	---	---	27,000	43,080	---	---	---	---	---	27,000	27,000	
	---	---	---	---	---	---	---	---	---	---	16,000	24,250	
	---	---	---	27,000	43,080	---	---	---	---	---	23,333	30,527	
	---	---	---	---	9,787	---	---	---	---	---	6,351	11,483	
	0	0	0	1	2	0	0	0	0	0	3	6	
Forensic	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	31,440	33,582	---	---	---	---	---	---	---	32,511	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	31,440	33,582	---	---	---	---	---	---	---	32,511	
	---	---	---	---	---	---	---	---	---	---	---	1,515	
	0	0	1	1	0	0	0	0	0	0	0	2	
Writing/ Editing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	45,700	---	---	29,928	---	---	---	---	37,814	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	45,700	---	---	29,928	---	---	---	---	37,814	
	---	---	---	---	---	---	---	---	---	---	---	11,152	
	0	0	0	1	0	0	1	0	0	0	0	2	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
Consulting	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
Other	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	40,000	---	---	---	---	---	---	---	40,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	40,000	---	---	---	---	---	---	---	40,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	1	0	0	0	0	0	0	0	1	
- Response	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	36,480	---	---	---	---	---	---	---	36,480	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	36,480	---	---	---	---	---	---	---	36,480	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	1	0	0	0	0	0	0	0	1	
TOTAL	---	---	38,150	44,250	50,000	49,500	62,000	73,000	---	---	39,000	45,700	
	---	---	35,700	38,000	42,000	40,000	55,000	55,000	62,013	72,642	31,400	38,600	
	---	---	33,150	35,000	39,200	35,690	29,928	33,750	---	---	27,000	35,000	
	---	---	36,227	38,853	45,024	41,529	48,976	55,750	62,013	72,642	33,629	41,580	
	---	---	5,331	6,586	9,273	9,342	16,863	21,658	26,852	14,162	13,428	11,706	
	0	0	28	46	27	9	3	9	2	2	7	132	

Table 2.4.3

SALARIES of FULL-TIME EMPLOYED Ph.D.CHEMISTS IN PRIVATE INDUSTRY
by SUBORDINATES (PROFESSIONALS + TECHNICIANS) and YEARS SINCE BS
1984 Survey of ACS Members

SUBORDINATES (Profs + Techs)	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
0	---	---	37,064	41,982	49,500	57,840	57,750	60,255	60,345	67,700	43,550	50,000	- 75th %-ile
	20,500	---	35,100	38,790	41,000	50,250	48,000	50,097	50,000	50,000	35,600	41,000	- 50th %-ile
	---	---	33,000	34,525	37,080	44,000	43,499	40,654	42,210	43,600	28,050	36,000	- 25th %-ile
	20,500	---	35,204	38,723	42,872	51,295	50,771	52,353	54,255	56,308	37,256	44,528	- Mean
	---	---	4,114	5,923	8,369	10,258	11,960	15,298	17,516	16,490	15,205	12,687	- Std Dev
	1	0	85	86	79	56	46	46	25	25	9	458	- Count
1-2	---	---	40,000	44,850	48,000	56,000	60,500	60,000	68,750	78,625	54,250	52,000	
	---	---	37,000	40,000	42,211	49,500	54,510	52,000	56,000	53,740	41,500	43,700	
	---	---	34,263	37,000	38,232	43,950	46,080	44,000	49,000	50,000	36,275	38,000	
	---	---	37,126	41,179	43,357	50,302	54,306	52,586	58,131	58,507	46,250	45,949	
	---	---	4,103	5,508	7,007	9,766	10,357	12,094	12,964	16,114	13,055	10,830	
	0	0	114	169	134	98	82	62	29	22	20	730	
3-7	---	---	41,750	47,000	52,000	58,000	60,000	65,500	70,000	63,500	59,650	55,000	
	---	---	37,650	43,000	48,000	49,350	54,000	52,500	56,000	58,000	42,000	48,000	
	---	---	36,000	39,300	42,000	43,000	46,000	45,000	48,000	51,000	30,700	41,118	
	---	---	38,484	43,011	47,601	50,301	53,977	55,836	59,981	57,558	44,967	49,206	
	---	---	3,298	6,524	8,290	11,872	11,103	13,140	14,132	8,516	14,244	11,473	
	0	0	24	82	87	62	35	39	27	19	9	384	
8-12	---	---	49,500	49,425	55,000	62,750	61,500	71,700	66,000	75,500	75,000	62,000	
	---	---	47,000	46,700	49,500	55,500	55,125	59,000	62,200	50,000	64,100	54,500	
	---	---	43,750	43,400	43,775	50,375	50,000	54,500	54,500	42,000	65,000	47,000	
	---	---	46,700	45,669	49,927	57,665	56,208	60,739	60,815	53,451	67,367	54,902	
	---	---	3,384	5,607	12,139	10,709	9,177	10,834	8,014	22,640	6,634	11,848	
	0	0	5	18	32	30	21	23	16	7	3	155	
13-17	---	---	---	47,700	60,395	60,000	64,050	65,000	78,750	85,000	---	62,000	
	---	---	38,000	45,600	49,000	54,000	60,000	60,000	71,000	75,000	54,688	53,640	
	---	---	42,000	43,650	47,000	51,530	52,000	62,500	60,000	---	---	46,400	
	---	---	38,000	46,043	51,591	54,918	60,162	61,000	70,750	73,333	54,688	55,876	
	---	---	---	4,083	10,876	10,379	11,053	9,416	8,995	12,583	13,700	11,879	
	0	0	1	7	18	21	9	7	4	3	2	72	
18-22	---	---	---	66,000	61,750	70,000	63,000	73,500	83,500	89,000	---	66,000	
	---	---	34,000	52,500	55,550	55,000	57,000	65,000	60,000	66,000	63,500	59,000	
	---	---	---	50,250	51,750	45,700	45,215	58,500	53,000	52,950	---	52,000	
	---	---	34,000	56,250	56,813	56,682	55,603	67,500	66,600	69,980	63,500	59,937	
	---	---	---	9,323	6,488	11,803	10,900	13,285	15,947	20,215	3,536	12,542	
	0	0	1	4	18	11	6	9	5	5	2	61	
23-32	---	---	---	76,700	67,625	75,000	71,750	88,000	74,000	85,000	---	75,000	
	---	---	---	57,600	64,500	70,000	70,000	70,000	65,600	78,818	---	65,000	
	---	---	---	48,850	55,250	56,800	62,750	57,750	60,000	50,000	---	57,000	
	---	---	---	61,050	61,500	66,586	67,625	71,250	66,533	71,273	---	66,013	
	---	---	---	15,006	11,754	11,496	6,209	17,855	7,047	18,680	---	12,362	
	0	0	0	4	14	19	8	8	3	3	0	59	
33-47	---	---	---	---	65,000	81,000	75,750	80,000	---	75,000	---	75,000	
	---	---	---	57,500	63,750	80,000	70,000	71,500	69,000	71,000	78,500	67,500	
	---	---	---	---	53,975	59,000	57,500	62,500	---	69,000	---	60,875	
	---	---	---	57,500	58,942	72,000	67,250	70,500	69,000	71,667	78,500	66,598	
	---	---	---	4,243	15,788	12,083	11,139	11,096	---	3,055	20,506	13,125	
	0	0	0	2	12	5	10	9	1	3	2	44	
48-67	---	---	---	---	79,250	91,000	83,000	87,500	---	100,000	---	83,500	
	---	---	---	45,000	61,000	71,220	65,000	82,000	---	79,200	53,000	70,000	
	---	---	---	---	57,000	68,800	65,000	80,000	---	70,000	---	64,000	
	---	---	---	45,000	65,750	78,164	71,000	83,167	---	83,067	53,000	72,215	
	---	---	---	---	12,738	12,308	10,392	3,884	---	15,369	14,142	15,087	
	0	0	0	1	4	5	3	3	0	3	2	21	
68-99	---	---	---	---	81,250	95,000	---	95,500	81,000	100,000	---	91,000	
	---	---	---	---	66,000	80,000	70,000	78,000	80,500	100,000	---	80,000	
	---	---	---	---	60,500	66,600	---	67,143	79,250	81,250	---	70,000	
	---	---	---	---	69,250	80,640	70,000	80,657	80,250	93,750	---	80,412	
	---	---	---	---	11,354	14,834	---	16,185	957	12,500	---	13,660	
	0	0	0	0	4	5	1	5	4	4	0	23	
>=100	---	---	---	---	90,000	97,000	93,750	100,000	97,000	100,000	---	95,500	
	---	---	---	---	80,000	80,000	82,500	88,000	92,500	50,000	98,000	88,000	
	---	---	---	---	51,340	74,500	69,000	76,200	83,000	50,000	---	74,500	
	---	---	---	---	73,780	83,889	81,750	85,457	90,167	66,667	98,000	83,047	
	---	---	---	---	20,067	12,771	12,997	14,248	9,304	28,868	---	15,389	
	0	0	0	0	3	9	4	7	6	3	1	33	
TOTAL	---	---	38,825	45,000	52,575	62,000	63,150	67,250	70,277	75,000	63,000	58,000	
	20,500	---	36,350	41,000	46,000	52,000	55,000	57,000	60,000	59,000	45,400	47,250	
	---	---	34,000	36,800	40,000	45,850	46,810	48,218	49,850	50,000	36,000	40,000	
	20,500	---	36,756	41,658	47,448	54,834	55,807	58,409	61,511	61,707	49,290	49,976	
	---	---	4,391	6,893	10,794	13,495	12,015	15,641	15,523	17,755	17,394	14,286	
	1	0	230	373	405	321	225	218	120	97	50	2,040	

Table 2.4.4

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by TOTAL NUMBER OF SUBORDINATES and YEARS SINCE BS
1984 Survey of ACS Members

TOTAL SUBORDINATES	YEARS SINCE BS											
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
0	---	---	37,064	41,982	46,375	57,680	55,500	60,000	56,892	65,000	47,075	50,000 - 75th %-ile
	20,500	---	35,100	38,800	40,400	48,000	48,000	50,000	49,664	50,000	35,800	41,000 - 50th %-ile
	---	---	33,000	34,850	37,085	42,600	43,343	41,250	42,105	43,200	30,200	36,000 - 25th %-ile
	20,500	---	35,204	38,239	42,234	50,037	50,232	53,155	52,474	54,852	39,913	43,960 - Mean
	---	---	4,114	5,904	7,574	8,950	11,518	15,016	15,408	14,783	13,843	11,816 - Std Dev
	1	0	85	82	72	49	45	39	24	23	8	428 - Count
1-2	---	---	39,750	45,000	48,200	55,400	60,500	60,000	69,625	78,500	55,000	52,000
	---	---	37,000	40,000	42,500	50,000	54,510	52,000	56,289	53,000	40,000	44,000
	---	---	34,375	37,000	38,280	44,300	46,080	44,000	49,000	50,000	36,000	38,000
	---	---	37,137	41,283	43,768	50,738	54,184	51,949	59,426	58,837	46,237	46,216
	---	---	3,979	5,464	7,455	10,396	10,045	12,605	14,582	17,216	13,412	11,170
	0	0	112	168	139	102	82	67	30	23	19	742
3-7	---	---	42,000	45,983	51,100	58,500	60,500	66,625	70,000	64,000	59,000	55,000
	---	---	38,300	42,830	47,000	50,000	54,000	53,750	56,000	59,000	42,000	47,450
	---	---	36,000	37,700	42,000	43,150	46,300	45,000	47,750	51,000	30,000	41,000
	---	---	38,473	42,369	47,350	50,792	54,809	56,065	59,380	58,769	42,473	49,013
	---	---	4,026	6,866	7,865	11,943	11,853	13,246	14,080	9,947	15,479	11,847
	0	0	25	84	81	62	33	40	25	19	11	380
8-12	---	---	48,250	47,000	57,600	60,000	63,500	62,000	69,800	75,500	75,000	60,700
	---	---	45,500	46,300	52,000	55,000	56,400	58,000	62,400	50,000	64,100	53,500
	---	---	41,325	43,400	43,600	49,600	49,500	52,500	54,000	42,000	63,000	46,700
	---	---	44,717	45,288	49,757	54,627	56,827	58,611	62,069	53,451	67,367	53,626
	---	---	5,724	5,223	12,589	8,401	10,535	10,887	9,553	22,640	6,634	11,877
	0	0	6	20	35	27	21	19	15	7	3	153
13-17	---	---	---	47,700	59,145	60,000	64,050	76,500	78,500	85,000	---	64,094
	---	---	38,000	45,600	51,275	55,000	60,000	62,500	65,000	75,000	54,688	55,000
	---	---	---	42,000	45,575	48,000	51,280	53,500	60,000	60,000	---	47,000
	---	---	38,000	46,043	51,816	56,871	60,107	64,375	68,400	73,333	54,688	56,950
	---	---	---	4,083	8,266	11,373	11,109	11,019	9,864	12,583	13,700	11,824
	0	0	1	7	18	25	9	8	5	3	2	78
18-22	---	---	---	66,000	62,500	70,625	56,000	71,750	80,000	89,000	---	65,250
	---	---	34,000	52,500	55,000	53,500	51,500	63,500	60,000	66,000	63,500	57,650
	---	---	---	50,250	49,000	45,025	45,215	59,750	51,000	52,950	---	50,875
	---	---	34,000	56,250	55,659	56,350	50,770	67,250	63,667	69,980	63,500	58,651
	---	---	---	9,323	9,621	12,387	6,346	12,479	14,844	20,215	3,536	12,760
	0	0	1	4	21	10	6	10	3	5	2	62
23-32	---	---	---	72,800	65,250	74,500	72,000	78,500	81,650	---	---	72,250
	---	---	---	51,000	57,750	70,000	70,000	65,000	60,800	71,000	---	65,000
	---	---	---	49,300	48,000	58,400	61,500	56,500	55,250	---	---	56,000
	---	---	---	59,040	57,429	66,580	67,300	67,000	65,900	71,000	---	64,142
	---	---	---	13,751	13,428	9,777	6,201	15,604	14,856	19,799	---	12,329
	0	0	0	5	14	17	10	9	4	2	0	61
33-47	---	---	---	---	65,000	81,000	78,000	78,000	74,000	76,909	---	76,000
	---	---	---	54,500	64,500	78,000	70,000	70,750	69,000	71,000	78,500	69,000
	---	---	---	---	53,975	59,000	60,000	61,250	62,000	59,500	---	62,000
	---	---	---	54,500	59,692	70,920	68,429	69,313	68,333	68,764	78,500	66,987
	---	---	---	---	16,324	14,974	10,706	11,234	6,028	11,148	20,506	13,645
	0	0	0	1	12	9	7	8	3	5	2	47
48-67	---	---	---	---	74,500	88,500	79,000	86,125	---	---	---	80,500
	---	---	---	52,750	62,000	70,610	70,000	81,000	60,000	70,000	53,000	66,300
	---	---	---	---	57,000	62,200	65,000	63,050	---	---	---	59,350
	---	---	---	52,750	65,000	72,803	71,600	76,725	60,000	70,000	53,000	68,008
	---	---	---	10,960	11,158	17,135	7,603	13,268	---	---	14,142	13,537
	0	0	0	2	5	6	5	4	1	1	2	26
68-99	---	---	---	---	77,500	100,000	---	85,500	81,000	100,000	---	85,000
	---	---	---	---	70,000	80,000	70,000	78,000	80,500	100,000	---	79,200
	---	---	---	---	61,000	70,000	---	67,143	79,250	77,100	---	70,000
	---	---	---	---	69,400	83,333	70,000	76,657	80,250	90,840	---	79,369
	---	---	---	---	9,839	15,275	---	12,187	957	12,630	---	12,465
	0	0	0	0	5	3	1	5	4	5	0	23
>= 100	---	---	---	---	90,000	95,000	91,250	100,000	97,000	100,000	---	95,750
	---	---	---	---	80,000	80,000	71,000	90,000	92,500	75,000	98,000	88,500
	---	---	---	---	51,340	71,000	49,625	79,100	83,000	50,000	---	71,750
	---	---	---	---	73,780	82,564	70,917	87,578	90,167	75,000	98,000	82,056
	---	---	---	---	20,067	13,232	19,577	13,274	9,304	28,868	---	16,710
	0	0	0	0	3	11	6	9	6	4	1	40
TOTAL	---	---	38,825	45,000	52,575	62,000	63,150	67,250	70,277	75,000	63,000	58,000
	20,500	---	36,350	41,000	46,000	52,000	55,000	57,000	60,000	59,000	45,400	47,250
	---	---	34,000	36,800	40,000	45,850	46,810	48,218	49,850	50,000	36,000	40,000
	20,500	---	36,756	41,658	47,448	54,834	55,807	58,409	61,511	61,707	49,290	49,976
	---	---	4,391	6,893	10,794	13,495	12,015	15,641	15,523	17,755	17,394	14,286
	1	0	230	373	405	321	225	218	120	97	50	2,040

Table 2.4.5

SALARIES of PhD CHEMISTS EMPLOYED FULL-TIME In PRIVATE INDUSTRY
by INDUSTRY EMPLOYERS and YEARS SINCE BS
1984 Survey of ACS Members

EMPLOYER	YEARS SINCE BS												
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mfg Chem	---	---	40,375	45,000	52,500	59,375	64,500	67,750	70,000	70,850	59,500	57,475	- 75th %-ile
	---	---	36,550	40,100	46,000	52,000	54,000	55,900	60,000	60,000	50,600	48,000	- 50th %-ile
	---	---	34,375	36,800	40,000	46,000	45,720	48,000	50,000	50,250	36,000	40,000	- 25th %-ile
	---	---	37,047	41,772	46,859	55,449	55,494	58,565	62,156	62,413	51,947	50,612	- Mean
	---	---	4,134	7,062	10,190	13,782	12,357	15,624	14,786	14,242	19,243	14,242	- Std Dev
	0	0	80	138	154	118	95	92	58	36	17	788	- Count
Mfg Coatings	---	---	37,006	43,000	47,750	53,000	60,000	73,500	71,500	100,000	59,250	57,450	
	---	---	35,825	41,400	43,380	48,000	52,000	65,000	55,000	40,000	41,000	45,300	
	---	---	31,500	35,400	38,025	38,300	47,500	56,048	46,500	20,000	22,000	37,850	
	---	---	34,279	39,786	44,220	47,920	53,400	63,732	58,200	53,333	40,750	48,078	
	---	---	3,856	3,699	8,222	9,968	9,422	11,411	14,025	41,633	20,023	14,184	
	0	0	6	7	12	15	11	6	5	3	4	69	
Mfg Food	---	---	36,550	41,200	47,925	59,750	56,650	68,250	95,500	78,000	---	53,000	
	---	---	34,450	36,500	42,000	51,150	50,000	50,500	69,000	64,000	46,500	46,000	
	---	---	32,610	32,500	36,750	48,400	48,250	43,750	60,000	42,000	---	37,000	
	---	---	34,423	36,479	42,083	53,833	51,533	56,050	76,000	64,429	46,500	48,961	
	---	---	2,091	5,250	7,888	10,534	4,590	18,548	18,398	22,307	---	16,277	
	0	0	6	14	18	12	6	10	5	7	1	79	
Mfg Metals/ minerals	---	---	---	42,000	39,450	60,000	72,500	76,200	---	---	---	54,250	
	---	---	30,600	38,000	35,900	50,650	48,000	55,000	58,000	66,250	---	46,000	
	---	---	---	35,300	26,500	46,250	39,073	52,524	---	---	---	36,507	
	---	---	30,600	38,317	33,950	52,238	53,191	61,241	58,000	66,250	---	47,701	
	---	---	---	3,952	7,081	10,236	18,712	13,014	11,314	19,445	---	14,231	
	0	0	1	9	4	8	4	3	2	2	0	33	
Mfg Paper	---	---	38,475	50,625	52,000	53,500	55,420	56,175	---	---	---	53,500	
	---	---	36,000	43,500	45,450	47,600	53,000	47,500	67,750	69,500	---	45,000	
	---	---	33,625	35,625	38,000	43,050	48,000	39,250	---	---	---	39,000	
	---	---	35,967	43,833	45,150	48,050	51,968	48,428	67,750	69,500	---	47,786	
	---	---	2,471	9,781	7,553	5,774	4,332	9,681	20,153	31,820	---	12,406	
	0	0	6	6	6	4	5	8	2	2	0	39	
Mfg Petroleum	---	---	42,500	49,000	53,750	70,000	73,500	71,500	86,000	---	76,000	64,000	
	---	---	38,100	45,900	50,000	60,000	64,000	69,500	69,500	63,250	69,500	50,500	
	---	---	35,850	42,000	41,000	53,000	59,000	52,625	56,578	---	28,600	42,500	
	---	---	39,223	46,015	49,610	62,233	64,563	65,438	70,725	63,250	58,033	53,632	
	---	---	4,882	7,511	9,749	10,387	9,879	12,877	16,267	10,253	25,696	13,887	
	0	0	22	31	25	27	16	8	7	2	3	141	
Mfg Pharm	---	---	38,000	44,250	60,000	63,000	64,400	65,000	74,000	82,656	64,281	60,000	
	---	---	36,000	40,000	47,438	56,000	55,000	58,000	57,600	62,628	50,150	47,450	
	---	---	33,000	35,975	40,950	47,500	47,500	48,395	47,400	49,500	36,650	38,595	
	---	---	35,540	40,973	50,474	56,176	56,926	58,356	60,992	65,840	52,190	50,547	
	---	---	4,047	6,328	12,468	15,195	13,440	15,786	15,338	19,214	16,068	15,277	
	0	0	47	66	74	59	45	25	15	23	12	366	
Mfg Rubber	---	---	43,800	50,200	58,500	68,415	50,750	60,000	---	---	---	56,920	
	---	---	35,900	46,000	51,000	45,450	49,500	58,000	49,800	68,520	36,000	48,900	
	---	---	34,800	38,100	41,600	40,000	48,250	50,375	---	---	---	40,000	
	---	---	38,167	44,300	50,367	52,015	49,500	56,125	49,800	68,520	36,000	49,611	
	---	---	4,910	7,120	8,468	15,870	1,291	5,422	---	15,104	---	11,577	
	0	0	3	7	3	8	4	4	1	2	1	33	
Mfg Other	---	---	38,818	45,525	52,000	60,000	62,200	68,350	65,500	62,750	60,250	55,000	
	20,500	---	37,000	41,736	45,900	50,000	53,250	57,143	56,000	49,000	42,500	45,120	
	---	---	34,550	37,425	40,000	41,200	44,950	50,000	46,250	39,610	27,375	39,600	
	20,500	---	36,811	42,018	47,592	51,699	54,519	58,455	57,190	49,602	43,350	48,301	
	---	---	4,250	5,571	9,370	12,923	11,165	14,591	15,202	15,298	15,362	12,738	
	1	0	45	74	82	55	32	52	21	13	10	385	
Non-Mfg	---	---	41,250	44,500	58,000	62,000	66,300	82,750	66,500	75,000	---	59,000	
	---	---	36,035	39,800	46,500	59,000	50,000	60,250	41,000	55,500	51,000	45,000	
	---	---	33,550	34,141	40,200	48,000	43,000	32,297	37,250	49,982	---	38,300	
	---	---	37,655	39,363	47,279	55,300	54,043	58,463	48,250	61,926	51,000	48,142	
	---	---	6,222	8,975	14,908	13,167	11,440	27,029	17,988	14,252	11,314	15,841	
	0	0	14	21	27	15	7	10	4	7	2	107	
TOTAL	---	---	38,825	45,000	52,575	62,000	63,150	67,250	70,277	75,000	63,000	58,000	
	20,500	---	36,350	41,000	46,000	52,000	55,000	57,000	60,000	59,000	45,400	47,250	
	---	---	34,000	36,800	40,000	45,850	46,810	48,218	49,850	50,000	36,000	40,000	
	20,500	---	36,756	41,658	47,448	54,834	55,807	58,409	61,511	61,707	49,290	49,976	
	---	---	4,391	6,893	10,794	13,495	12,015	15,641	15,523	17,755	17,394	14,286	
	1	0	230	373	405	321	225	218	120	97	50	2,040	

Table 2.4.6

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN PRIVATE INDUSTRY
by GEOGRAPHIC REGION and YEARS SINCE BS
1984 Survey of ACS Members

REGION	YEARS SINCE BS											
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Pacific	---	---	42,000	48,000	60,000	62,185	69,825	77,750	66,000	70,875	88,750	60,000 - 75th %-ile
	---	---	37,100	43,000	50,000	50,650	55,920	60,250	51,750	55,000	72,750	48,600 - 50th %-ile
	---	---	34,000	38,750	43,000	46,625	50,000	50,000	39,750	38,500	54,875	42,000 - 25th %-ile
	---	---	38,235	43,267	51,880	54,374	59,015	62,714	53,570	54,540	72,125	51,514 - Mean
	---	---	4,894	7,170	11,574	11,853	12,256	14,878	17,483	18,667	17,769	14,164 - Std Dev
	0	0	16	33	31	20	16	14	10	12	4	156 - Count
Mountain	---	---	---	36,550	63,725	---	---	---	---	---	---	57,793
	---	---	---	35,400	43,000	48,500	58,000	68,643	49,328	---	---	46,000
	---	---	---	35,000	36,950	---	---	---	---	---	---	36,300
	---	---	---	35,650	49,350	48,500	58,000	68,643	49,328	---	---	49,313
	---	---	---	854	17,256	2,121	16,971	16,061	---	---	---	15,182
	0	0	0	4	6	2	2	2	1	0	0	17
W.N. Central	---	---	38,375	40,500	58,000	70,420	59,525	74,000	65,450	100,000	---	57,250
	---	---	37,114	38,100	50,000	47,850	56,500	57,000	49,000	54,480	43,000	45,000
	---	---	35,040	34,750	40,000	40,703	49,750	41,500	45,000	52,800	---	38,075
	---	---	36,844	37,769	51,956	53,764	54,763	58,112	52,852	69,093	43,000	49,145
	---	---	2,160	3,588	12,782	16,196	5,267	18,421	13,722	26,779	---	14,524
	0	0	8	17	15	8	8	9	9	3	1	78
W.S. Central	---	---	43,500	50,100	54,000	68,000	65,125	60,765	82,500	100,000	---	59,250
	---	---	38,000	42,660	48,200	59,000	56,000	56,700	69,420	75,000	76,500	50,000
	---	---	33,400	38,300	41,000	47,775	46,150	43,000	61,789	53,250	---	41,832
	---	---	38,825	43,963	48,363	57,409	58,481	54,276	71,600	76,300	76,500	51,894
	---	---	6,266	7,594	8,559	10,477	14,934	11,342	12,265	23,440	30,406	14,019
	0	0	12	29	35	20	14	16	5	5	2	138
E.N. Central	---	---	37,734	44,000	51,000	60,250	59,500	70,000	76,250	75,205	56,850	55,000
	20,500	---	35,900	40,000	45,000	52,000	51,000	56,000	60,000	58,000	38,000	45,000
	---	---	34,000	36,100	40,000	45,710	46,150	48,000	50,842	43,305	31,250	38,250
	20,500	---	35,568	39,861	46,473	55,027	53,705	59,352	64,470	59,774	42,469	48,344
	---	---	3,709	4,906	10,117	13,784	10,848	16,329	16,820	17,510	15,590	14,294
	1	0	58	71	93	69	48	39	18	18	20	425
E.S. Central	---	---	44,250	52,000	48,500	62,000	---	60,625	---	---	---	52,000
	---	---	41,000	45,000	42,500	52,300	44,250	51,000	42,420	64,000	---	45,000
	---	---	39,050	42,700	35,950	43,000	---	44,750	---	---	---	41,880
	---	---	41,520	43,381	41,042	52,340	44,250	52,750	42,420	64,000	---	46,729
	---	---	2,860	13,036	8,817	9,185	10,960	8,728	---	19,799	---	11,055
	0	0	5	7	9	7	2	6	1	2	0	39
Mid-Atlantic	---	---	38,590	46,250	53,750	62,750	67,876	66,000	71,277	69,000	63,000	59,713
	---	---	36,350	42,100	46,000	54,000	59,250	59,000	56,000	58,500	50,600	48,000
	---	---	33,694	37,650	40,150	48,000	49,625	49,400	44,750	50,500	39,000	40,000
	---	---	36,664	42,969	48,290	56,277	58,528	58,245	58,982	61,085	49,955	50,720
	---	---	4,902	7,850	11,075	13,829	13,184	15,710	16,729	16,658	11,858	14,374
	0	0	64	101	97	88	64	63	26	24	11	538
So. Atlantic	---	---	38,000	45,000	52,500	64,550	60,500	60,000	69,000	78,000	---	56,790
	---	---	36,000	41,236	44,950	51,500	51,750	50,000	60,000	61,500	60,050	46,000
	---	---	33,900	35,975	37,775	43,525	42,750	43,000	54,090	47,250	---	38,790
	---	---	35,932	41,236	45,629	54,731	51,217	54,159	61,632	61,295	60,050	49,083
	---	---	3,371	6,202	11,062	15,036	11,032	16,117	10,824	17,625	5,728	14,009
	0	0	29	38	38	38	18	27	24	8	2	222
New England	---	---	40,000	43,125	48,750	59,250	57,683	85,000	91,000	79,625	49,750	55,478
	---	---	38,400	40,000	44,000	46,500	52,000	72,000	62,000	66,500	41,500	45,000
	---	---	36,000	35,000	38,300	41,001	45,000	64,500	51,000	52,075	37,825	39,753
	---	---	38,194	39,394	44,105	50,035	51,742	74,000	69,200	67,133	43,025	49,679
	---	---	4,973	5,321	8,585	10,404	7,440	15,484	21,476	15,617	6,450	15,005
	0	0	11	18	21	14	14	9	5	6	4	102
No Response	---	---	39,000	44,000	50,500	62,000	65,000	64,550	79,500	75,000	63,750	60,000
	---	---	37,000	41,500	44,750	53,000	56,000	53,000	64,740	60,000	47,500	48,500
	---	---	34,600	37,000	38,000	45,000	45,720	49,150	54,000	49,000	30,425	40,000
	---	---	37,119	41,839	46,704	53,508	55,927	57,500	66,716	62,060	48,150	50,656
	---	---	3,757	6,480	10,842	14,252	11,993	14,943	14,059	17,168	19,150	14,352
	0	0	27	55	70	55	39	33	21	19	6	325
TOTAL	---	---	38,825	45,000	52,575	62,000	63,150	67,250	70,277	75,000	63,000	58,000
	20,500	---	36,350	41,000	46,000	52,000	55,000	57,000	60,000	59,000	45,400	47,250
	---	---	34,000	36,800	40,000	45,850	46,810	48,218	49,850	50,000	36,000	40,000
	20,500	---	36,756	41,658	47,448	54,834	55,807	58,409	61,511	61,707	49,290	49,976
	---	---	4,391	6,893	10,794	13,495	12,015	15,641	15,523	17,755	17,394	14,286
	1	0	230	373	405	321	225	218	120	97	50	2,040

Table 3.1.1

SALARIES of FULL-TIME EMPLOYED B.S. CHEMISTS IN GOVERNMENT
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	---	29,000	---	---	---	---	---	---	---	---	45,195	- 75th %-ile
	---	23,000	26,000	44,389	---	46,000	41,150	43,000	---	50,500	---	41,150	- 50th %-ile
	---	---	25,000	---	---	---	---	---	---	---	---	25,500	- 25th %-ile
	---	23,000	26,667	44,389	---	46,000	41,150	43,000	---	50,500	---	36,449	- Mean
	---	---	2,082	---	---	---	---	---	---	---	---	10,567	- Std Dev
	0	1	3	1	0	1	1	1	0	1	0	9	- Count
Basic Research	---	22,000	29,000	33,438	---	41,289	39,500	38,250	---	---	---	37,500	
	15,000	18,000	24,500	27,875	37,000	38,000	35,265	33,950	---	18,000	37,200	30,400	
	---	18,000	18,885	26,438	---	35,221	20,000	25,975	---	---	---	22,000	
	15,000	19,333	24,128	29,250	37,000	38,204	31,588	32,725	---	18,000	37,200	29,936	
	---	2,309	5,068	3,974	3,536	3,325	10,257	6,563	---	---	---	8,424	
	1	3	3	4	2	5	3	4	0	1	1	27	
Applied R&D	---	23,300	25,000	36,375	39,870	---	38,376	45,250	---	---	---	38,532	
	16,500	21,000	25,000	30,000	35,240	23,640	35,467	44,140	36,500	48,000	25,000	30,000	
	---	14,500	24,000	24,000	34,000	---	35,000	40,399	---	---	---	23,400	
	16,500	19,320	24,667	30,083	36,370	23,640	36,281	42,146	36,500	48,000	25,000	30,826	
	3,536	4,981	577	6,591	3,301	7,580	1,829	6,196	---	---	---	9,929	
	2	5	3	6	4	2	3	6	1	1	1	34	
Gen Mgt	---	---	---	37,198	---	49,250	58,500	---	---	---	---	50,000	
	---	---	22,672	36,000	---	45,500	41,000	39,500	55,000	48,000	---	41,000	
	---	---	---	35,000	---	39,125	40,000	---	---	---	---	37,198	
	---	---	22,672	36,066	---	44,625	46,500	39,500	55,000	48,000	---	42,625	
	---	---	---	1,100	---	5,344	10,404	---	---	8,485	---	9,202	
	0	0	1	3	0	4	3	1	1	2	0	15	
Marketing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	32,000	---	32,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	32,000	---	32,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	1	0	1	
Prod & QC	---	---	32,000	---	---	36,000	35,000	---	32,750	---	---	34,000	
	---	28,168	23,000	31,500	31,900	30,000	31,000	55,000	28,800	43,932	---	30,000	
	---	---	17,600	---	---	26,624	29,600	---	27,681	---	---	26,624	
	---	28,168	24,057	31,500	31,900	30,875	31,867	55,000	29,744	43,932	---	31,726	
	---	4,005	5,987	3,536	5,515	4,749	2,802	12,728	2,921	15,653	---	10,007	
	0	2	7	2	2	3	3	2	4	2	0	27	
Forensic	---	23,500	25,950	33,872	31,028	42,225	---	43,382	---	---	---	31,500	
	17,138	17,000	22,332	28,550	28,136	34,227	30,450	35,000	37,000	26,000	---	26,000	
	---	14,500	19,550	23,400	25,325	30,745	---	19,199	---	---	---	20,000	
	17,138	18,315	22,375	29,361	28,247	36,217	30,450	32,527	37,000	26,000	---	26,370	
	---	5,011	4,042	6,940	3,733	6,854	1,485	12,280	---	---	---	7,951	
	1	11	20	17	6	8	2	3	1	1	0	70	
Writing/ Editing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	36,480	---	---	---	25,355	---	---	30,918	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	36,480	---	---	---	25,355	---	---	30,918	
	---	---	---	---	---	---	---	---	---	---	---	7,867	
	0	0	0	0	1	0	0	0	1	0	0	2	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
Consulting	---	---	---	---	---	---	---	---	---	---	---	---	
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	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
Other	---	---	32,802	45,350	25,650	---	42,305	---	---	---	---	32,000	
	---	---	25,300	28,022	25,160	36,310	28,000	27,500	---	---	---	26,000	
	---	---	20,625	24,011	21,625	---	25,984	---	---	---	---	24,000	
	---	---	26,917	32,461	23,942	36,310	32,915	27,500	---	---	---	29,381	
	---	---	7,509	12,156	2,282	19,361	8,625	---	---	---	---	9,052	
	0	0	6	4	5	2	5	1	0	0	0	23	
No Response	---	---	---	---	---	---	---	---	---	---	---	44,191	
	---	---	22,363	30,000	---	---	43,382	---	28,000	45,000	---	30,000	
	---	---	---	---	---	---	---	---	---	---	---	25,182	
	---	---	22,363	30,000	---	---	43,382	---	28,000	45,000	---	33,749	
	---	---	---	---	---	---	---	---	---	---	---	9,951	
	0	0	1	1	0	0	1	0	1	1	0	5	
TOTAL	18,535	23,700	26,450	35,000	35,475	43,150	41,075	44,460	36,750	51,375	---	36,490	
	16,069	19,500	24,000	30,000	29,136	37,000	35,265	41,250	29,000	43,500	31,100	28,750	
	14,250	14,975	20,000	25,453	25,475	30,000	29,500	30,199	27,687	30,500	---	23,000	
	16,285	19,791	23,837	30,844	30,448	36,711	35,653	38,964	33,425	40,336	31,100	30,350	
	2,234	5,133	4,818	7,017	5,954	8,491	8,299	10,255	9,097	12,552	8,627	9,774	
	4	22	44	38	20	25	21	18	9	10	2	213	

Table 3.1.2

SALARIES of FULL-TIME EMPLOYED M.S. CHEMISTS IN GOVERNMENT
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	---	---	---	---	---	52,000	---	---	---	---	53,000	- 75th %-ile
	---	---	---	34,152	37,500	---	40,972	49,650	52,000	---	---	40,972	- 50th %-ile
	---	---	---	---	---	---	40,000	---	---	---	---	37,250	- 25th %-ile
	---	---	---	34,152	37,500	---	44,324	49,650	52,000	---	---	45,325	- Mean
	---	---	---	---	---	---	6,665	17,890	2,828	---	---	9,569	- Std Dev
	0	0	0	1	1	0	3	2	2	0	0	9	- Count
Basic Research	---	---	28,000	33,588	---	41,000	45,000	---	---	---	---	41,479	
	---	---	24,400	29,427	29,250	38,506	40,972	42,799	46,997	46,000	17,000	33,177	
	---	---	18,000	19,375	---	34,307	26,000	---	---	---	---	26,375	
	---	---	23,467	27,463	29,250	37,824	37,324	42,799	46,997	46,000	17,000	33,429	
	---	---	5,065	7,682	3,889	3,963	10,012	5,938	---	---	---	9,628	
	0	0	3	4	2	5	3	2	1	1	1	22	
Applied R&D	---	---	---	41,497	---	---	---	49,375	---	---	---	40,096	
	---	30,483	25,400	33,000	36,741	26,500	42,250	41,750	33,000	23,000	---	35,000	
	---	---	---	29,000	---	---	---	36,000	---	---	---	27,000	
	---	30,483	25,400	34,799	36,741	26,500	42,250	42,375	33,000	23,000	---	35,281	
	---	13,460	---	7,561	4,745	---	8,132	6,945	---	---	---	8,576	
	0	2	1	5	2	1	2	4	1	1	0	19	
Gen Mgt	---	---	---	38,115	40,000	---	---	---	---	---	---	45,000	
	---	---	---	33,000	35,500	48,317	---	---	37,000	55,440	---	36,500	
	---	---	---	29,375	24,250	---	---	---	---	---	---	29,375	
	---	---	---	33,660	33,250	48,317	---	---	37,000	55,440	---	37,699	
	---	---	---	4,389	8,112	4,690	---	---	11,314	---	---	9,099	
	0	0	0	6	3	2	0	0	2	1	0	14	
Marketing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	25,000	---	---	---	---	---	---	---	25,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	25,000	---	---	---	---	---	---	---	25,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	1	0	0	0	0	0	0	0	1	
Prod & QC	---	---	31,000	---	---	---	---	---	---	---	---	31,000	
	---	---	25,000	26,000	28,600	---	---	---	33,678	---	---	26,000	
	---	---	20,000	---	---	---	---	---	---	---	---	20,000	
	---	---	25,333	26,000	28,600	---	---	---	33,678	---	---	28,279	
	---	---	5,508	---	---	---	---	---	20,254	---	---	9,666	
	0	0	3	1	1	0	0	0	2	0	0	7	
Forensic	---	---	---	29,000	34,000	31,609	35,000	---	---	---	---	32,271	
	---	---	21,100	27,000	32,000	29,000	32,980	36,302	27,872	20,000	---	29,000	
	---	---	---	21,000	18,000	27,606	19,000	---	---	---	---	21,500	
	---	---	21,100	25,056	31,501	29,486	28,993	36,302	27,872	20,000	---	28,103	
	---	---	2,687	6,049	13,235	2,264	8,713	5,230	---	---	---	8,357	
	0	0	2	9	7	5	3	2	1	1	0	30	
Writing/ Editing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	37,600	---	---	---	---	---	---	37,600	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	37,600	---	---	---	---	---	---	37,600	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	1	0	0	0	0	0	0	1	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	28,000	---	---	---	---	---	---	---	---	28,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	28,000	---	---	---	---	---	---	---	---	28,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	1	0	0	0	0	0	0	0	0	1	
Consulting	---	---	---	---	---	---	---	---	---	---	---	72,693	
	---	---	---	30,400	---	---	---	20,000	---	72,693	---	30,400	
	---	---	---	---	---	---	---	---	---	---	---	20,000	
	---	---	---	30,400	---	---	---	20,000	---	72,693	---	41,031	
	---	---	---	---	---	---	---	---	---	---	---	27,909	
	0	0	0	1	0	0	0	1	0	1	0	3	
Other	---	---	37,000	39,185	52,000	41,500	46,185	---	62,000	---	---	45,278	
	---	---	23,000	31,000	28,000	35,500	32,884	65,000	57,000	---	---	33,500	
	---	---	21,500	28,328	20,800	21,850	25,239	---	34,000	---	---	25,239	
	---	---	27,167	33,205	33,600	32,440	34,769	65,000	51,000	---	---	36,150	
	---	---	8,549	7,184	16,336	10,387	11,274	---	14,933	---	---	13,221	
	0	0	3	5	3	5	4	1	3	0	0	24	
No Response	---	---	---	---	---	---	---	---	---	---	---	33,000	
	---	---	---	21,100	---	26,000	33,000	---	---	---	---	26,000	
	---	---	---	---	---	---	---	---	---	---	---	21,100	
	---	---	---	21,100	---	26,000	33,000	---	---	---	---	26,700	
	---	---	---	---	---	---	---	---	---	---	---	5,981	
	0	0	0	1	0	1	1	0	0	0	0	3	
TOTAL	---	---	28,000	33,625	37,575	39,000	43,993	49,999	53,000	64,067	---	40,000	
	---	30,483	24,400	29,778	32,080	32,134	38,134	39,500	45,999	46,000	17,000	32,257	
	---	---	20,750	26,375	26,875	26,500	27,745	35,500	30,000	21,500	---	26,000	
	---	30,483	24,885	29,823	32,837	34,099	36,781	42,667	42,185	43,427	17,000	33,910	
	---	13,460	5,214	7,029	9,967	8,347	9,425	12,500	13,242	22,212	---	11,145	
	0	2	13	34	20	19	16	12	12	5	1	134	

Table 3.1.3

SALARIES of FULL-TIME EMPLOYED Ph.D. CHEMISTS IN GOVERNMENT
by WORK FUNCTION and YEARS SINCE BS
1984 Survey of ACS Members

WORK FUNCTION	YEARS SINCE BS												
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Mgt-R&D	---	---	---	---	53,500	53,500	57,750	64,500	66,150	65,000	---	60,000	- 75th %-ile
	---	---	30,100	39,000	50,313	43,000	55,500	56,000	60,852	60,000	59,000	53,000	- 50th %-ile
	---	---	---	---	43,750	42,100	49,250	47,094	49,250	51,500	---	43,000	- 25th %-ile
	---	---	30,100	39,000	48,938	47,735	53,369	55,336	58,330	58,282	59,000	52,461	- Mean
	---	---	---	1,414	5,529	8,282	7,103	9,288	10,857	6,580	---	9,334	- Std Dev
	0	0	1	2	6	13	10	12	5	9	1	59	- Count
Basic Research	---	---	35,100	40,050	41,000	48,825	48,500	60,750	59,550	60,000	---	49,842	
	---	---	32,700	38,300	39,000	42,000	44,304	50,650	52,500	50,000	44,100	42,500	
	---	---	30,750	32,721	33,400	34,750	41,513	45,375	41,875	47,716	---	36,000	
	---	---	32,651	37,574	37,967	42,691	44,288	52,636	50,741	53,595	44,100	43,466	
	---	---	3,412	7,252	5,332	8,916	6,563	8,771	10,380	7,110	---	9,759	
	0	0	14	17	21	30	26	18	14	10	1	151	
Applied R&D	---	---	39,875	41,000	41,000	47,500	53,000	50,807	53,000	63,000	66,000	49,000	
	---	---	30,450	38,562	36,152	42,200	43,000	45,000	41,500	61,900	47,000	41,000	
	---	---	23,350	32,428	34,500	35,984	32,127	38,750	37,125	55,538	39,200	35,000	
	---	---	31,225	37,472	38,444	41,174	43,476	44,371	43,750	60,146	51,480	42,289	
	---	---	9,026	6,041	5,937	7,244	11,050	7,448	7,809	4,028	14,288	9,980	
	0	0	4	7	11	9	8	6	6	3	5	59	
Gen Mgt	---	---	---	---	---	---	---	55,175	42,000	---	---	50,419	
	---	---	---	42,500	44,750	40,350	55,000	50,769	38,400	32,500	---	40,700	
	---	---	---	---	---	---	---	45,210	35,000	---	---	37,950	
	---	---	---	42,500	44,750	40,350	55,000	50,385	38,467	32,500	---	43,949	
	---	---	---	3,536	10,253	495	21,213	5,166	3,500	707	---	9,574	
	0	0	0	2	2	2	2	4	3	2	0	17	
Marketing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	42,356	---	---	---	42,356	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	42,356	---	---	---	42,356	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	1	0	0	0	1	
Prod & QC	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	43,000	---	---	---	---	---	---	43,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	43,000	---	---	---	---	---	---	43,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	1	0	0	0	0	0	0	1	
Forensic	---	---	---	---	41,250	26,000	45,500	---	---	---	---	38,900	
	---	---	27,079	---	38,029	25,000	25,700	36,990	25,000	23,200	---	27,380	
	---	---	---	---	27,845	19,000	25,016	---	---	---	---	25,000	
	---	---	27,079	---	36,073	23,333	32,072	36,990	25,000	23,200	---	31,109	
	---	---	2,940	---	7,000	3,786	13,293	5,671	---	---	---	8,753	
	0	0	2	0	6	3	4	2	1	1	0	19	
Writing/ Editing	---	---	---	---	---	---	---	---	---	47,000	---	49,500	
	---	---	---	---	---	39,000	---	---	---	45,000	---	45,000	
	---	---	---	---	---	---	---	---	---	35,000	---	30,500	
	---	---	---	---	---	39,000	---	---	---	42,333	---	41,000	
	---	---	---	---	---	18,385	---	---	---	6,429	---	10,416	
	0	0	0	0	0	2	0	0	0	3	0	5	
Data Processing	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	39,950	---	---	---	---	---	---	39,950	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	39,950	---	---	---	---	---	---	39,950	
	---	---	---	---	3,606	---	---	---	---	---	---	3,606	
	0	0	0	0	2	0	0	0	0	0	0	2	
Consulting	---	---	---	---	---	---	---	---	---	---	---	55,538	
	---	---	---	---	---	---	45,000	---	---	52,769	---	50,000	
	---	---	---	---	---	---	---	---	---	---	---	45,000	
	---	---	---	---	---	---	45,000	---	---	52,769	---	50,179	
	---	---	---	---	---	---	---	---	---	3,916	---	5,271	
	0	0	0	0	0	0	1	0	0	2	0	3	
Other	---	---	---	40,000	53,925	46,493	48,838	52,000	---	---	---	48,375	
	---	---	21,000	37,000	44,150	41,000	44,199	48,000	52,500	---	---	42,650	
	---	---	---	27,000	39,325	35,000	27,375	36,369	---	---	---	36,527	
	---	---	21,000	34,667	45,800	40,797	39,375	45,456	52,500	---	---	41,242	
	---	---	---	6,807	7,978	6,831	12,100	8,120	3,536	---	---	9,996	
	0	0	1	3	4	5	6	3	2	0	0	24	
No Response	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	62,750	80,000	65,000	28,000	33,000	---	---	68,750	
	---	---	---	---	---	---	---	---	---	---	---	62,750	
	---	---	---	---	62,750	80,000	65,000	28,000	33,000	---	---	31,750	
	---	---	---	---	354	---	---	---	---	---	---	55,250	
	0	0	0	0	2	1	1	1	1	0	0	20,287	
												6	
TOTAL	---	---	34,200	40,000	45,000	48,750	51,250	57,000	57,875	60,250	60,000	51,000	
	---	---	31,208	38,562	40,000	42,175	45,000	50,000	50,000	51,500	47,000	43,000	
	---	---	29,190	32,500	36,152	36,250	39,514	44,000	38,100	47,000	40,000	37,000	
	---	---	31,240	37,679	40,934	42,839	45,130	50,212	48,216	52,056	51,500	44,190	
	---	---	5,224	6,443	8,038	10,476	10,503	9,754	11,397	10,801	12,434	10,958	
	0	0	22	31	55	65	58	47	32	30	7	347	

Table 4.1.1

SALARIES OF FULL-TIME EMPLOYED ACADEMIC CHEMISTS
by ACADEMIC RANK AND REGION
1984 Survey of ACS Members

REGION	ACADEMIC RANK								
	Professor	Associate	Assistant	Instr.	Non-Fac	Unranked	No Resp	TOTAL	
Pacific	50,175	31,750	30,250	37,506	38,000	32,250	51,500	40,000	- 75th %-ile
	38,240	29,500	25,700	32,000	32,000	31,000	42,000	34,000	- 50th %-ile
	33,900	25,250	22,850	28,000	22,000	29,500	32,600	28,650	- 25th %-ile
	42,060	30,996	27,779	32,502	32,171	31,169	42,044	36,867	- Mean
	11,920	10,241	8,138	4,773	8,034	3,350	10,134	11,886	- Std Dev
	74	28	18	3	7	10	9	149	- Count
Mountain	44,579	36,750	26,750	---	---	37,200	---	42,000	
	37,500	28,246	23,180	24,000	41,577	25,000	49,000	35,000	
	35,000	23,500	19,917	---	---	22,000	---	25,000	
	41,629	31,895	23,611	24,000	41,577	28,236	49,000	35,700	
	13,882	12,581	3,857	---	16,372	10,898	---	13,903	
	28	8	8	1	2	7	1	55	
W.N. Central	50,750	33,500	28,000	53,800	40,000	---	---	41,500	
	39,965	29,050	23,000	27,500	39,000	32,400	45,000	31,775	
	30,000	24,875	21,000	21,150	31,000	---	---	25,500	
	41,594	29,476	24,783	34,150	36,667	32,400	45,000	34,996	
	13,023	6,943	5,359	19,240	4,933	---	9,899	12,656	
	64	30	27	4	3	1	2	131	
W.S. Central	49,000	36,000	29,050	80,000	31,000	34,000	---	43,750	
	37,000	29,000	24,000	33,000	24,300	26,500	48,894	33,150	
	33,000	23,100	22,000	29,000	20,150	25,000	---	26,000	
	41,580	30,071	28,882	47,333	25,150	28,500	48,894	36,066	
	11,804	8,020	15,110	28,361	5,839	5,196	857	13,522	
	55	23	21	3	4	4	2	112	
E.N. Central	48,800	38,000	29,063	45,100	45,300	48,775	45,500	42,000	
	38,000	31,300	24,000	30,680	35,000	31,800	39,500	35,000	
	32,820	26,800	19,775	19,825	29,710	18,750	34,000	28,000	
	40,994	33,108	25,425	31,970	36,224	32,963	44,183	36,593	
	11,416	8,584	6,546	12,249	8,837	14,553	15,993	12,273	
	111	55	36	8	9	8	23	250	
E.S. Central	44,500	37,500	29,625	---	60,000	---	---	41,317	
	34,200	29,614	23,020	27,700	50,000	---	33,800	30,426	
	28,000	24,625	22,488	---	25,000	---	---	25,485	
	36,592	32,460	26,019	27,700	45,000	---	33,800	33,766	
	9,786	10,800	5,918	8,910	18,028	---	---	10,651	
	29	20	10	2	3	0	1	65	
Mid-Atlantic	58,000	39,150	29,250	49,000	50,175	65,820	48,000	49,750	
	47,000	31,700	24,000	36,800	39,000	52,200	42,000	38,000	
	38,000	27,188	21,430	22,500	25,850	23,000	37,650	27,600	
	48,738	33,924	26,532	38,471	41,756	47,007	44,665	40,332	
	14,466	10,285	7,560	14,572	19,936	21,877	15,173	15,695	
	94	49	42	7	16	3	17	228	
So. Atlantic	50,875	37,375	32,000	61,350	50,000	38,125	54,350	48,000	
	41,000	30,156	24,000	44,500	41,650	29,500	49,000	34,750	
	32,000	25,000	20,500	26,825	34,875	23,850	41,050	27,000	
	42,648	31,692	27,601	44,225	42,600	30,729	48,034	37,670	
	13,760	8,571	11,072	17,835	12,742	9,227	10,566	13,585	
	84	44	29	4	12	12	13	198	
New England	48,000	33,900	26,500	47,000	42,625	---	50,000	42,500	
	43,000	30,000	21,600	22,000	32,000	---	38,320	31,800	
	36,800	25,950	19,500	20,000	18,500	---	25,500	23,000	
	44,783	31,078	24,007	32,329	31,063	---	37,940	33,806	
	12,767	7,279	5,225	16,610	12,434	---	12,254	12,984	
	23	17	19	7	8	0	3	77	
No Response	49,248	36,000	29,000	33,750	42,000	35,850	50,500	43,000	
	40,000	30,000	24,000	23,250	36,000	28,000	41,250	36,000	
	35,015	27,000	21,000	18,625	22,050	21,250	35,750	28,000	
	42,486	31,657	25,890	25,476	34,358	29,238	43,800	36,450	
	11,047	7,282	7,768	7,923	11,118	9,279	10,105	12,036	
	154	49	56	12	22	8	18	319	
TOTAL	50,000	36,000	29,000	39,400	43,275	36,500	50,500	44,000	
	40,000	30,000	24,000	29,000	37,000	30,000	42,000	35,000	
	34,000	26,000	21,000	21,400	27,660	24,075	35,500	27,000	
	42,703	31,905	26,168	33,127	36,787	31,379	44,395	36,811	
	12,593	8,839	8,339	14,582	13,565	10,536	12,675	13,139	
	716	323	266	51	86	53	89	1,584	

Table 4.1.2

SALARIES OF FULL-TIME EMPLOYED ACADEMIC CHEMISTS
by ACADEMIC RANK and HIGHEST DEGREE
1984 survey of ACS members

	ACADEMIC RANK								
HIGHEST DEGREE	Professor	Associate	Assistant	Instr.	Non-Fac	Unranked	No Resp	TOTAL	
Bachelors	47,750	32,493	40,000	48,000	28,500	33,500	40,000	35,000	- 75th %-ile
	38,500	29,000	23,160	37,300	20,000	21,950	31,000	28,000	- 50th %-ile
	34,500	27,496	22,500	28,750	17,182	16,314	25,688	19,100	- 25th %-ile
	40,250	29,796	28,553	38,933	22,375	23,559	33,454	28,458	- Mean
	7,136	2,774	9,919	12,245	7,016	9,996	12,048	11,247	- Std Dev
	4	5	3	6	49	12	48	127	- Count
Masters	38,000	33,223	32,500	29,000	27,500	30,648	40,000	34,250	
	35,000	29,700	22,500	25,000	25,000	26,098	32,392	27,693	
	30,692	23,000	20,180	19,500	19,718	22,125	24,625	21,950	
	36,499	29,864	26,512	24,982	23,974	25,933	34,030	29,039	
	10,575	8,123	9,695	7,509	6,418	6,393	12,435	10,230	
	35	26	19	51	39	16	44	230	
Doctorate	50,000	36,000	29,000	38,350	42,850	36,500	50,000	43,125	
	40,000	30,000	24,000	28,500	37,000	30,000	42,000	34,600	
	33,250	26,000	21,000	21,175	27,320	24,075	35,000	27,000	
	41,855	31,762	25,928	32,189	36,043	31,379	42,909	36,149	
	11,256	8,469	7,369	13,086	11,750	10,536	9,940	11,948	
	701	322	265	50	85	53	86	1,562	
No Response	51,225	41,153	34,000	41,250	42,000	---	56,000	45,000	
	40,300	29,250	26,500	29,500	37,000	32,000	36,000	34,800	
	30,990	25,000	22,125	18,500	22,700	---	26,000	26,000	
	42,318	33,984	30,393	29,750	33,280	32,000	39,996	37,392	
	14,335	11,839	13,706	12,258	10,275	---	15,197	14,083	
	38	18	14	4	5	1	11	91	
TOTAL	49,925	36,000	29,000	36,000	37,025	35,000	45,750	42,000	
	39,915	30,000	24,000	26,000	28,000	28,300	37,500	33,000	
	33,000	25,600	21,000	20,000	20,000	22,375	30,000	25,600	
	41,628	31,710	26,198	29,155	29,559	29,180	38,271	34,906	
	11,414	8,588	7,948	11,415	11,482	10,120	12,196	12,154	
	778	371	301	111	178	82	189	2,010	

Table 4.1.3

SALARIES OF FULL-TIME EMPLOYED ACADEMIC CHEMISTS
according to ACADEMIC RANK and ACADEMIC ASSIGNMENT
1984 Survey of ACS Members

	ACADEMIC RANK								
ASSIGNMENT	Professor	Associate	Assistant	Instr.	Non-Fac	Unranked	No Resp	TOTAL	
More than 50% Teaching	39,000	30,000	24,000	30,350	41,500	31,000	41,250	36,000	- 75th %-ile
	35,000	27,000	21,100	25,000	28,000	28,000	35,000	30,000	- 50th %-ile
	30,000	24,000	19,470	20,000	24,000	22,500	25,500	24,000	- 25th %-ile
	35,794	28,224	23,160	26,348	32,285	26,960	34,271	30,849	- Mean
	8,819	7,890	7,167	8,346	12,520	8,027	10,622	9,745	- Std Dev
	319	175	109	61	17	27	22	730	- Count
50% Teaching, 50% Research	52,000	35,000	29,000	46,100	36,000	—	55,250	48,000	
	45,000	32,000	25,000	24,430	31,000	28,750	42,144	35,530	
	36,625	28,800	22,625	18,300	20,600	—	29,835	28,000	
	45,765	33,203	27,118	32,943	30,448	28,750	45,161	38,173	
	11,259	9,037	6,876	24,182	14,048	5,303	17,822	13,869	
	72	23	36	6	7	2	10	156	
50% Teaching, 50% Administration	42,875	36,375	39,945	37,750	—	37,250	61,500	40,000	
	37,500	32,250	28,368	25,000	32,000	28,000	33,750	35,000	
	35,000	26,850	23,500	23,200	—	11,250	26,625	28,401	
	39,233	31,711	31,052	29,380	32,000	25,500	43,020	35,951	
	7,734	4,960	8,381	10,634	8,485	14,201	23,540	12,846	
	24	10	5	5	2	4	10	60	
More than 50% Research	59,000	42,000	32,500	35,250	37,000	36,675	43,250	46,000	
	49,200	38,145	27,820	29,500	27,500	32,000	39,000	36,000	
	41,000	32,112	24,315	24,375	20,000	22,750	33,250	27,560	
	50,438	38,530	29,009	30,257	28,814	31,480	39,205	37,606	
	12,261	9,276	6,295	7,202	10,784	11,439	11,162	13,826	
	127	63	72	14	93	30	22	421	
50% Research, 50% Administration	52,500	48,250	61,000	42,150	42,950	—	45,000	49,250	
	41,500	35,000	28,000	36,500	28,500	62,950	34,000	36,200	
	36,750	28,450	23,300	27,100	21,700	—	29,660	29,500	
	46,000	36,933	37,433	35,250	31,975	62,950	37,981	39,887	
	13,672	9,734	20,544	8,292	14,725	38,254	11,952	14,943	
	14	6	3	4	8	2	13	50	
More than 50% Administration	60,125	43,500	53,000	45,000	41,750	60,000	49,500	53,250	
	53,000	36,000	31,000	38,700	34,350	36,000	42,000	43,000	
	46,000	30,800	26,300	31,375	21,675	26,000	35,000	33,000	
	54,033	37,851	41,420	40,411	33,451	39,545	44,684	43,751	
	11,782	8,856	21,916	16,538	11,785	19,538	17,387	15,802	
	54	21	9	10	36	7	25	162	
No Response	53,250	37,175	30,000	46,500	44,000	44,250	48,925	48,000	
	44,000	31,150	24,500	31,000	30,500	30,382	38,310	37,000	
	36,000	27,000	21,250	19,800	21,870	22,910	29,150	27,500	
	45,785	32,891	27,596	35,242	33,766	34,079	39,057	38,754	
	13,007	8,244	9,417	16,751	15,295	13,228	13,987	14,198	
	287	98	88	29	54	28	134	718	
TOTAL	50,072	36,000	30,000	36,500	40,000	36,000	48,000	44,000	
	41,000	30,000	24,000	28,000	30,000	30,000	38,000	34,000	
	34,000	25,848	21,000	21,000	21,000	23,250	30,000	26,000	
	43,214	32,038	26,889	30,562	31,286	31,887	39,588	36,296	
	12,747	9,137	9,155	12,982	12,608	13,446	14,527	13,552	
	897	396	322	129	217	100	236	2,297	

Table 4.2.1

SALARIES OF FULL-TIME EMPLOYED PhD INSTRUCTORS OR OTHER NON-TENURE TRACK RANK
according to YEARS SINCE BS and SPECIALTY
1984 Survey of ACS Members

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	—	—	—	23,000	41,100	—	—	80,000	—	—	—	26,500 - 75th %-ile
	—	—	20,500	22,000	20,850	17,707	31,000	24,000	—	39,400	—	22,250 - 50th %-ile
	—	—	—	21,000	15,600	—	—	15,000	—	—	—	19,500 - 25th %-ile
	—	—	20,500	22,157	25,850	17,707	31,000	39,667	—	39,400	—	27,006 - Mean
	—	—	—	1,675	14,682	—	—	35,218	—	—	—	15,517 - Std Dev
	0	0	1	7	4	1	1	3	0	1	0	18 - Count
Agricultural/ food chemistry	—	—	—	—	—	—	—	—	—	—	—	55,350
	—	—	28,000	38,000	37,000	62,400	32,400	53,000	—	—	—	37,500
	—	—	—	—	—	—	—	—	—	—	—	31,300
	—	—	28,000	38,000	37,000	62,400	32,400	53,000	—	—	—	41,800
	—	—	—	—	—	—	—	—	—	—	—	13,161
	0	0	1	1	1	1	1	1	0	0	0	6
Analytical chemistry	—	—	—	—	35,900	—	—	—	—	—	—	40,000
	—	—	19,500	37,200	31,992	49,000	—	40,000	62,000	24,960	—	34,800
	—	—	—	—	28,074	—	—	—	—	—	—	25,000
	—	—	19,500	37,200	31,988	49,000	—	40,000	62,000	24,960	—	35,691
	—	—	—	—	4,543	—	—	—	—	—	—	11,910
	0	0	1	1	5	1	0	1	1	1	0	11
Environmental chemistry	—	—	—	—	—	—	—	—	—	—	—	37,575
	—	—	—	36,050	28,000	—	—	—	—	—	28,900	30,950
	—	—	—	—	—	—	—	—	—	—	—	28,225
	—	—	—	36,050	28,000	—	—	—	—	—	28,900	32,250
	—	—	—	4,313	—	—	—	—	—	—	—	5,059
	0	0	0	2	1	0	0	0	0	0	1	4
Organic chemistry	—	—	33,375	36,200	32,000	42,000	34,000	—	—	—	—	35,700
	—	—	21,050	35,000	26,000	21,500	32,000	35,400	—	37,506	—	31,000
	—	—	17,500	22,500	24,000	18,250	31,000	—	—	—	—	22,050
	—	—	23,975	30,480	27,333	27,250	32,333	35,400	—	37,506	—	29,010
	—	—	8,919	7,379	4,163	14,080	1,528	—	—	—	—	8,276
	0	0	4	5	3	4	3	1	0	1	0	21
Inorganic chemistry	—	—	21,500	—	—	—	—	—	—	—	—	30,000
	—	—	20,000	38,700	24,150	30,000	—	30,000	—	—	—	24,150
	—	—	19,600	—	—	—	—	—	—	—	—	20,000
	—	—	20,367	38,700	24,150	30,000	—	30,000	—	—	—	26,279
	—	—	1,002	—	—	—	—	—	—	—	—	6,993
	0	0	3	1	1	1	0	1	0	0	0	7
Pharmaceutical/ medicinal/ clinical chemistry	—	—	—	—	—	47,000	—	—	—	—	—	46,000
	—	—	21,400	24,000	—	36,000	38,500	—	60,000	—	45,000	36,000
	—	—	—	—	—	22,000	—	—	—	—	—	21,700
	—	—	21,400	24,000	—	35,000	38,500	—	60,000	—	45,000	35,322
	—	—	—	7,071	—	12,530	—	—	—	—	—	13,817
	0	0	1	2	0	3	1	0	1	0	1	9
Physical chemistry	—	—	—	35,000	—	—	—	52,000	—	—	—	44,400
	—	—	25,250	28,000	36,900	29,000	33,000	42,000	65,820	—	—	32,000
	—	—	—	14,000	—	—	—	30,000	—	—	—	27,500
	—	—	25,250	25,667	36,900	29,000	33,000	41,333	65,820	—	—	34,855
	—	—	9,546	10,693	14,001	—	—	11,015	—	—	—	13,926
	0	0	2	3	2	1	1	3	1	0	0	13
Theoretical chemistry	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	25,000	25,000
	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	25,000	25,000
	—	—	—	—	—	—	—	—	—	—	—	—
	0	0	0	0	0	0	0	0	0	0	1	1
Polymer/ macromolecular chemistry	—	—	—	64,800	—	—	—	—	—	—	—	58,500
	—	—	—	36,000	52,200	—	—	—	—	—	46,000	46,000
	—	—	—	30,000	—	—	—	—	—	—	—	33,000
	—	—	—	43,600	52,200	—	—	—	—	—	46,000	45,800
	—	—	—	18,603	—	—	—	—	—	—	—	13,672
	0	0	0	3	1	0	0	0	0	0	1	5
Other chemistry	—	—	—	—	28,450	—	—	—	—	—	—	37,800
	—	—	—	—	28,000	26,000	51,000	22,800	47,000	—	—	28,000
	—	—	—	—	20,875	—	—	—	—	—	—	23,900
	—	—	—	—	25,775	26,000	51,000	22,800	47,000	—	—	30,656
	—	—	—	—	4,858	1,414	—	—	—	—	—	10,921
	0	0	0	0	4	2	1	1	1	0	0	9
TOTAL	—	—	25,550	36,200	35,350	47,250	37,375	52,000	64,865	39,400	45,750	37,430
	—	—	20,500	29,000	28,000	28,000	32,700	35,400	61,000	37,506	36,950	30,000
	—	—	19,250	22,000	24,113	21,250	31,250	24,000	50,250	24,960	25,975	22,575
	—	—	22,838	29,972	30,163	32,436	35,363	38,564	58,705	33,955	36,225	32,236
	—	—	5,861	10,416	9,479	13,944	6,761	18,145	8,168	7,848	10,835	12,650
	0	0	13	25	22	14	8	11	4	3	4	104

Table 4.2.2

SALARIES OF FULL-TIME EMPLOYED PhD INSTRUCTOR OR OTHER NON-TENURE TRACK RANK
according to YEARS SINCE BS and TYPE OF INSTITUTION
1984 Survey of ACS Members

			YEARS SINCE BS										
SCHOOL	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Private Doctorate	---	---	32,000	37,500	46,925	---	---	---	---	---	---	46,950	- 75th %-ile
	---	---	23,100	29,250	32,500	54,700	32,400	40,000	62,910	---	43,000	36,000	- 50th %-ile
	---	---	20,500	21,250	18,000	---	---	---	---	---	---	22,125	- 25th %-ile
	---	---	25,200	32,413	32,117	54,700	32,400	40,000	62,910	---	45,000	36,676	- Mean
	---	---	6,031	15,226	13,911	10,889	---	---	4,115	---	---	15,588	- Std Dev
	0	0	3	8	6	2	1	1	2	0	1	24	- Count
Private Masters	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	21,500	---	---	---	---	---	---	---	---	21,500	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	21,500	---	---	---	---	---	---	---	---	21,500	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	1	0	0	0	0	0	0	0	0	1	
Private Bachelors	---	---	19,000	---	---	---	---	---	---	---	---	19,000	
	---	---	18,500	---	---	---	---	---	---	---	---	18,500	
	---	---	17,000	---	---	---	---	---	---	---	---	17,000	
	---	---	18,167	---	---	---	---	---	---	---	---	18,167	
	---	---	1,041	---	---	---	---	---	---	---	---	1,041	
	0	0	3	0	0	0	0	0	0	0	0	3	
Private Associate	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	25,000	---	---	---	---	---	25,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	25,000	---	---	---	---	---	25,000	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	1	0	0	0	0	0	1	
Public Doctorate	---	---	34,600	36,050	36,450	34,250	---	59,750	---	---	---	38,600	
	---	---	24,700	29,500	31,570	25,500	34,750	47,000	54,500	39,400	37,450	31,148	
	---	---	20,350	23,250	25,900	18,780	---	21,750	---	---	---	24,000	
	---	---	26,550	29,313	32,905	26,177	34,750	44,333	54,500	39,400	37,450	33,377	
	---	---	7,672	7,510	9,148	8,034	5,303	23,175	10,607	---	12,092	12,721	
	0	0	4	16	8	4	2	6	2	1	2	45	
Public Masters	---	---	---	---	---	49,000	---	---	---	---	---	48,500	
	---	---	19,550	---	---	48,000	---	---	---	---	---	19,600	
	---	---	---	---	---	18,000	---	---	---	---	---	18,750	
	---	---	19,550	---	---	38,333	---	---	---	---	---	30,820	
	---	---	71	---	---	17,616	---	---	---	---	---	16,156	
	0	0	2	0	0	3	0	0	0	0	0	5	
Public Bachelors	---	---	---	---	---	---	---	---	---	---	---	51,000	
	---	---	---	21,000	---	---	51,000	30,000	---	---	---	30,000	
	---	---	---	---	---	---	---	---	---	---	---	21,000	
	---	---	---	21,000	---	---	51,000	30,000	---	---	---	34,000	
	---	---	---	---	---	---	---	---	---	---	---	15,395	
	0	0	0	1	0	0	1	1	0	0	0	3	
Public Associate	---	---	---	---	28,000	29,250	33,750	35,400	---	---	---	32,000	
	---	---	---	---	26,500	25,500	32,500	30,000	---	31,233	25,000	27,500	
	---	---	---	---	24,038	20,250	31,250	22,800	---	---	---	24,113	
	---	---	---	---	25,956	25,000	32,500	29,400	---	31,233	25,000	27,878	
	---	---	---	---	3,940	4,690	1,291	6,321	---	8,871	---	4,996	
	0	0	0	0	8	4	4	3	0	2	1	22	
TOTAL	---	---	25,550	36,200	35,350	47,250	37,375	52,000	64,865	39,400	45,750	37,430	
	---	---	20,500	29,000	28,000	28,000	32,700	35,400	61,000	37,506	36,950	30,000	
	---	---	19,250	22,000	24,113	21,250	31,250	24,000	50,250	24,960	25,975	22,575	
	---	---	22,838	29,972	30,163	32,436	35,363	38,564	58,705	33,955	36,225	32,236	
	---	---	5,861	10,416	9,479	13,944	6,761	18,145	8,168	7,848	10,835	12,650	
	0	0	13	25	22	14	8	11	4	3	4	104	

Table 4.2.3

SALARIES OF FULL-TIME EMPLOYED PhD INSTRUCTORS OR OTHER NON-TENURE TRACK RANK
according to YEARS SINCE BS and SEX
1984 Survey of ACS Members

	YEARS SINCE BS											
SEX	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Men	---	---	23,100	35,500	34,500	48,000	41,625	52,250	64,865	---	46,000	38,003 - 75th %-ile
	---	---	20,000	29,000	28,000	29,000	32,700	37,700	61,000	31,233	28,900	28,900 - 50th %-ile
	---	---	19,000	22,250	24,075	24,000	31,750	23,700	50,250	---	25,000	22,950 - 25th %-ile
	---	---	21,691	28,735	29,074	34,945	36,317	39,420	58,705	31,233	33,300	32,284 - Mean
	---	---	4,484	7,593	8,786	14,583	7,663	18,890	8,168	8,871	11,170	13,050 - Std Dev
	0	0	11	17	17	11	6	10	4	2	3	81 - Count
Women	---	---	---	44,700	43,500	---	---	---	---	---	---	37,100
	---	---	29,150	22,500	31,992	19,854	32,500	---	---	39,400	---	31,074
	---	---	---	20,650	25,174	---	---	---	---	---	---	21,375
	---	---	29,150	31,400	33,868	19,854	32,500	---	---	39,400	---	31,119
	---	---	10,819	17,694	11,864	3,036	2,121	---	---	---	---	12,441
	0	0	2	6	5	2	2	0	0	1	0	18
No Response	---	---	---	---	---	---	---	---	---	---	---	40,700
	---	---	---	36,200	---	30,000	---	30,000	---	---	45,000	36,000
	---	---	---	---	---	---	---	---	---	---	---	30,000
	---	---	---	36,200	---	30,000	---	30,000	---	---	45,000	35,480
	---	---	---	283	---	---	---	---	---	---	---	6,161
	0	0	0	2	0	1	0	1	0	0	1	5
TOTAL	---	---	25,550	36,200	35,350	47,250	37,375	52,000	64,865	39,400	45,750	37,430
	---	---	20,500	29,000	28,000	28,000	32,700	35,400	61,000	37,506	36,950	30,000
	---	---	19,250	22,000	24,113	21,250	31,250	24,000	50,250	24,960	25,975	22,575
	---	---	22,838	29,972	30,163	32,436	35,363	38,564	58,705	33,955	36,225	32,236
	---	---	5,861	10,416	9,479	13,944	6,761	18,145	8,168	7,848	10,835	12,650
	0	0	13	25	22	14	8	11	4	3	4	104

Table 4.3.1

SALARIES OF FULL-TIME EMPLOYED PhD ASSISTANT PROFESSORS
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

SPECIALTY	YEARS SINCE BS											
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	—	—	32,000	30,000	31,500	35,000	—	—	—	—	—	32,375 - 75th %-ile
	—	—	24,000	25,000	26,000	30,000	35,000	30,000	—	61,000	—	26,250 - 50th %-ile
	—	—	16,000	21,000	22,195	22,500	—	—	—	—	—	21,700 - 25th %-ile
	—	—	24,000	25,755	27,561	28,980	35,000	30,000	—	61,000	—	27,749 - Mean
	—	—	8,000	6,372	7,664	6,579	14,142	—	—	—	—	8,342 - Std Dev
	0	0	3	23	21	9	2	1	0	1	0	60 - Count
Agricultural/ food chemistry	—	—	—	28,800	46,500	—	—	—	—	—	—	38,250
	—	—	29,000	27,690	30,000	55,000	—	—	—	—	—	28,900
	—	—	—	25,470	27,400	—	—	—	—	—	—	27,140
	—	—	29,000	27,320	34,633	55,000	—	—	—	—	—	33,020
	—	—	—	1,776	10,359	—	—	—	—	—	—	10,375
	0	0	1	4	3	1	0	0	0	0	0	9
Analytical chemistry	—	—	23,305	26,375	23,973	—	—	—	—	—	—	24,000
	—	—	21,500	23,000	21,000	24,000	24,800	25,000	—	—	—	22,000
	—	—	19,875	20,900	19,470	—	—	—	—	—	—	20,375
	—	—	21,860	26,010	21,577	24,000	24,800	25,000	—	—	—	23,430
	—	—	3,417	9,288	2,275	4,243	4,525	—	—	—	—	5,806
	0	0	14	10	5	2	2	1	0	0	0	34
Environmental chemistry	—	—	—	34,500	—	—	—	—	—	—	—	37,125
	—	—	40,000	29,500	27,500	30,000	—	—	—	—	—	30,000
	—	—	—	28,400	—	—	—	—	—	—	—	28,400
	—	—	40,000	30,800	27,500	30,000	—	—	—	—	—	31,025
	—	—	—	3,544	14,142	—	—	—	—	—	—	7,014
	0	0	1	4	2	1	0	0	0	0	0	8
Organic chemistry	—	—	24,000	24,540	36,999	34,625	—	—	—	—	—	24,540
	—	—	21,143	23,000	23,500	23,800	23,000	17,800	—	—	27,000	23,000
	—	—	20,000	21,100	18,440	20,415	—	—	—	—	—	20,625
	—	—	22,576	22,706	26,313	27,887	23,000	17,800	—	—	27,000	23,607
	—	—	4,343	2,160	10,173	12,120	—	—	—	—	—	5,861
	0	0	15	20	4	6	1	1	0	0	1	48
Inorganic chemistry	—	—	25,000	26,400	30,000	32,500	—	—	—	—	—	25,250
	—	—	23,000	24,000	22,146	24,200	—	—	—	—	—	23,800
	—	—	20,500	21,750	20,000	17,000	—	—	—	—	—	20,665
	—	—	22,761	24,092	24,926	24,567	—	—	—	—	—	23,888
	—	—	2,222	3,857	5,904	7,757	—	—	—	—	—	4,240
	0	0	15	17	11	3	0	0	0	0	0	46
Pharmaceutical/ medicinal/ clinical chemistry	—	—	37,000	37,825	—	—	—	—	—	—	—	40,375
	—	—	29,500	36,000	74,500	—	22,650	—	—	—	—	36,000
	—	—	29,000	29,000	—	—	—	—	—	—	—	29,125
	—	—	31,833	33,683	74,500	—	22,650	—	—	—	—	39,104
	—	—	4,481	7,354	21,920	—	—	—	—	—	—	18,835
	0	0	3	6	2	0	1	0	0	0	0	12
Physical chemistry	—	—	27,000	30,160	39,806	—	—	—	—	—	—	30,250
	—	—	21,000	25,250	30,813	27,000	—	26,340	48,000	—	—	24,750
	—	—	18,375	22,250	20,300	—	—	—	—	—	—	20,925
	—	—	22,720	26,516	30,306	27,000	—	26,340	48,000	—	—	26,499
	—	—	5,076	6,091	10,811	2,828	—	—	—	—	—	7,571
	0	0	10	12	4	2	0	1	1	0	0	30
Theoretical chemistry	—	—	—	—	25,400	—	—	—	—	—	—	25,400
	—	—	24,000	21,036	23,400	—	—	—	—	—	—	22,672
	—	—	—	—	20,200	—	—	—	—	—	—	20,000
	—	—	24,000	21,036	23,000	—	—	—	—	—	—	22,725
	—	—	5,657	2,314	2,623	—	—	—	—	—	—	3,170
	0	0	2	2	3	0	0	0	0	0	0	7
Polymer/ macromolecular chemistry	—	—	—	—	—	—	—	—	—	—	—	28,000
	—	—	26,700	17,575	—	—	—	—	—	—	—	25,400
	—	—	—	—	—	—	—	—	—	—	—	17,575
	—	—	26,700	17,575	—	—	—	—	—	—	—	23,658
	—	—	1,838	—	—	—	—	—	—	—	—	5,426
	0	0	2	1	0	0	0	0	0	0	0	3
Other chemistry	—	—	—	—	—	—	—	—	—	—	—	31,250
	—	—	26,000	22,520	23,000	—	19,700	—	22,333	32,500	33,000	23,000
	—	—	—	—	—	—	—	—	—	—	—	22,000
	—	—	26,000	22,520	23,000	—	19,700	—	22,333	32,500	33,000	25,286
	—	—	5,657	735	—	—	—	—	—	—	—	5,069
	0	0	2	2	1	0	1	0	1	1	1	9
TOTAL	—	—	25,300	28,000	31,750	32,875	28,000	29,085	—	—	—	29,000
	—	—	23,000	24,000	24,000	26,000	23,000	25,670	35,167	46,750	30,000	24,000
	—	—	20,000	21,550	20,600	22,250	21,600	19,600	—	—	—	21,000
	—	—	23,576	25,481	28,343	28,702	26,421	24,785	35,167	46,750	30,000	26,168
	—	—	4,828	5,985	12,069	9,386	8,603	5,114	18,149	20,153	4,243	8,339
	0	0	68	101	56	24	7	4	2	2	2	266

Table 4.3.2

SALARIES OF FULL-TIME EMPLOYED PhD ASSISTANT PROFESSORS
by TYPE OF INSTITUTION and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SCHOOL	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Private Doctorate	---	---	30,000	35,500	33,325	34,131	---	---	---	---	---	34,000 - 75th %-ile
	---	---	25,000	28,900	27,000	32,750	45,000	---	48,000	---	---	28,000 - 50th %-ile
	---	---	24,000	25,000	21,750	22,750	---	---	---	---	---	24,125 - 25th %-ile
	---	---	26,520	30,185	28,939	30,170	45,000	---	48,000	---	---	29,517 - Mean
	---	---	4,721	6,386	8,207	6,223	---	---	---	---	---	7,128 - Std Dev
	0	0	15	21	12	6	1	0	1	0	0	56 - Count
Private Masters	---	---	---	30,308	34,625	---	---	---	---	---	---	27,500
	---	---	22,000	22,000	25,723	---	21,600	---	---	---	---	22,000
	---	---	---	19,000	20,537	---	---	---	---	---	---	20,000
	---	---	22,000	24,123	26,962	---	21,600	---	---	---	---	24,733
	---	---	---	6,500	7,468	---	---	---	---	---	---	6,126
	0	0	1	5	4	0	1	0	0	0	0	11
Private Bachelors	---	---	20,000	21,750	21,000	---	---	---	---	---	---	21,100
	---	---	19,550	20,700	19,500	17,000	21,175	25,000	---	---	---	19,875
	---	---	18,125	18,250	19,425	---	---	---	---	---	---	18,438
	---	---	19,047	20,347	20,954	17,000	21,175	25,000	---	---	---	20,147
	---	---	1,427	2,438	4,119	---	2,086	---	---	---	---	2,664
	0	0	12	19	7	1	2	1	0	0	0	42
Private Associate	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	21,220	---	---	---	---	---	21,220
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	21,220	---	---	---	---	---	21,220
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	1	0	0	0	0	0	1
Public Doctorate	---	---	28,500	28,200	38,750	33,500	---	---	---	---	---	30,000
	---	---	23,320	25,000	27,400	29,000	25,000	30,000	22,333	46,750	30,000	25,000
	---	---	21,100	23,000	23,200	24,500	---	---	---	---	---	23,000
	---	---	24,846	26,474	32,931	30,567	25,000	30,000	22,333	46,750	30,000	28,040
	---	---	4,635	5,391	16,692	8,919	---	---	---	20,153	4,243	9,704
	0	0	29	43	21	9	1	1	1	2	2	109
Public Masters	---	---	25,313	26,100	34,113	---	---	---	---	---	---	28,000
	---	---	24,000	22,520	23,500	41,000	28,000	26,340	---	---	---	24,000
	---	---	21,500	21,250	18,513	---	---	---	---	---	---	22,000
	---	---	23,875	23,643	25,750	41,000	28,000	26,340	---	---	---	25,977
	---	---	3,081	4,162	8,713	19,799	---	---	---	---	---	7,950
	0	0	6	8	5	2	1	1	0	0	0	23
Public Bachelors	---	---	19,675	21,800	24,000	23,400	---	---	---	---	---	22,400
	---	---	18,100	21,000	22,400	20,650	23,000	17,800	---	---	---	21,000
	---	---	16,800	20,200	21,000	18,575	---	---	---	---	---	19,400
	---	---	18,210	21,000	23,592	20,875	23,000	17,800	---	---	---	21,109
	---	---	1,451	990	4,025	2,560	---	---	---	---	---	3,228
	0	0	5	5	7	4	1	1	0	0	0	23
Public Associate	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	29,000	---	---	---	---	---	29,000
	---	---	---	---	---	---	---	---	---	---	---	---
	---	---	---	---	---	29,000	---	---	---	---	---	29,000
	---	---	---	---	---	---	---	---	---	---	---	---
	0	0	0	0	0	1	0	0	0	0	0	1
TOTAL	---	---	25,300	28,000	31,750	32,875	28,000	29,085	---	---	---	29,000
	---	---	23,000	24,000	24,000	26,000	23,000	25,670	35,167	46,750	30,000	24,000
	---	---	20,000	21,550	20,600	22,250	21,600	19,600	---	---	---	21,000
	---	---	23,576	25,481	28,343	28,702	26,421	24,785	35,167	46,750	30,000	26,168
	---	---	4,828	5,985	12,069	9,386	8,603	5,114	18,149	20,153	4,243	8,339
	0	0	68	101	56	24	7	4	2	2	2	266

Table 4.3.3

SALARIES OF FULL-TIME EMPLOYED PhD ASSISTANT PROFESSORS
by SEX and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SEX	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Men	---	---	25,500	29,000	32,375	34,000	32,250	30,000	---	---	---	29,050 - 75th %-ile
	---	---	23,000	24,600	24,000	28,000	23,825	26,340	48,000	---	27,000	24,000 - 50th %-ile
	---	---	20,250	21,900	20,625	23,450	21,125	17,800	---	---	---	21,000 - 25th %-ile
	---	---	23,694	26,072	29,149	30,257	26,992	24,713	48,000	---	27,000	26,539 - Mean
	---	---	5,001	6,358	13,302	9,827	9,278	6,261	---	---	---	8,680 - Std Dev
	0	0	57	83	44	18	6	3	1	0	1	213 - Count
Women	---	---	25,400	24,000	30,000	27,500	---	---	---	---	---	25,808
	---	---	22,000	22,000	24,000	21,220	23,000	25,000	22,333	46,750	---	22,672
	---	---	20,000	21,200	19,789	17,500	---	---	---	---	---	20,360
	---	---	22,968	22,624	25,335	22,244	23,000	25,000	22,333	46,750	---	24,306
	---	---	3,954	2,486	5,192	5,346	---	---	---	20,153	---	6,707
	0	0	11	17	11	5	1	1	1	2	0	49
No Response	---	---	---	---	---	---	---	---	---	---	---	33,000
	---	---	---	25,000	26,000	33,000	---	---	---	---	33,000	29,500
	---	---	---	---	---	---	---	---	---	---	---	25,250
	---	---	---	25,000	26,000	33,000	---	---	---	---	33,000	29,250
	---	---	---	---	---	---	---	---	---	---	---	4,349
	0	0	0	1	1	1	0	0	0	0	1	4
TOTAL	---	---	25,300	28,000	31,750	32,875	28,000	29,085	---	---	---	29,000
	---	---	23,000	24,000	24,000	26,000	23,000	25,670	35,167	46,750	30,000	24,000
	---	---	20,000	21,550	20,600	22,250	21,600	19,600	---	---	---	21,000
	---	---	23,576	25,481	28,343	28,702	26,421	24,785	35,167	46,750	30,000	26,168
	---	---	4,828	5,985	12,069	9,386	8,603	5,114	18,149	20,153	4,243	8,339
	0	0	68	101	56	24	7	4	2	2	2	266

Table 4.4.1

SALARIES OF FULL-TIME EMPLOYED PhD ASSOCIATE PROFESSORS
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

SPECIALTY	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	---	---	---	34,750	38,700	40,000	38,775	41,000	42,000	59,000	---	40,000 - 75th %-ile
	---	---	---	29,992	36,000	37,250	35,300	32,000	39,850	31,000	---	36,000 - 50th %-ile
	---	---	---	19,050	25,390	30,400	30,650	27,225	34,175	26,400	---	29,000 - 25th %-ile
	---	---	---	27,388	33,326	37,637	36,186	34,150	38,675	38,800	---	34,715 - Mean
	---	---	---	8,619	7,395	8,926	7,608	9,129	4,292	17,644	---	8,824 - Std Dev
	0	0	0	9	23	20	10	6	4	3	0	75 - Count
Agricultural/ food chemistry	---	---	---	---	34,375	---	---	---	---	---	---	33,750
	---	---	---	---	31,750	32,000	---	---	---	---	---	32,000
	---	---	---	---	26,650	---	---	---	---	---	---	28,100
	---	---	---	---	30,925	32,000	---	---	---	---	---	31,140
	---	---	---	---	4,158	---	---	---	---	---	---	3,633
	0	0	0	0	4	1	0	0	0	0	0	5
Analytical chemistry	---	---	---	41,281	36,000	30,231	40,800	44,750	33,110	---	---	38,000
	---	---	24,000	28,500	28,000	25,050	35,450	35,250	30,492	57,750	30,000	30,000
	---	---	---	24,698	25,000	23,250	30,250	31,300	27,100	---	---	26,000
	---	---	24,000	30,958	30,106	27,191	36,913	37,100	30,234	57,750	30,000	32,371
	---	---	---	9,110	6,612	5,964	7,945	7,267	3,310	28,638	---	9,838
	0	0	1	8	15	8	8	4	4	2	1	51
Environmental chemistry	---	---	---	---	---	---	---	---	---	---	---	31,584
	---	---	---	21,600	32,112	30,000	30,000	---	---	---	---	30,000
	---	---	---	---	---	---	---	---	---	---	---	23,700
	---	---	---	21,600	32,112	30,000	30,000	---	---	---	---	28,428
	---	---	---	---	---	---	---	---	---	---	---	4,660
	0	0	0	1	1	1	1	0	0	0	0	4
Organic chemistry	---	---	---	31,733	31,500	31,550	34,500	38,300	---	---	37,000	33,150
	---	---	---	27,500	28,400	29,000	30,000	30,000	30,000	---	27,000	29,000
	---	---	---	20,825	25,600	25,150	24,750	28,000	---	---	25,062	25,431
	---	---	---	26,969	29,345	29,189	30,389	32,457	30,000	---	29,687	29,738
	---	---	---	6,304	6,703	5,040	6,721	5,011	---	---	6,407	6,139
	0	0	0	6	22	9	17	7	1	0	3	65
Inorganic chemistry	---	---	---	31,625	26,500	32,000	36,003	---	---	---	---	31,000
	---	---	22,000	25,550	24,000	30,000	33,000	32,000	33,200	---	25,000	26,250
	---	---	---	22,306	21,670	28,300	26,750	---	---	---	---	24,000
	---	---	22,000	26,138	24,244	31,398	32,168	32,000	33,200	---	25,000	27,301
	---	---	---	5,709	4,955	4,700	5,079	---	---	---	---	5,878
	0	0	1	6	23	11	6	1	1	0	1	50
Pharmaceutical/ medicinal/ clinical chemistry	---	---	---	---	45,000	45,000	---	---	---	---	---	45,000
	---	---	25,500	25,000	40,250	38,000	51,013	---	---	---	35,000	39,000
	---	---	---	---	39,000	28,000	---	---	---	---	---	28,000
	---	---	25,500	25,000	41,417	39,071	51,013	---	---	---	35,000	39,018
	---	---	---	---	3,166	12,997	5,639	---	---	---	---	11,231
	0	0	1	1	3	7	2	0	0	0	1	15
Physical chemistry	---	---	---	---	33,000	34,125	31,250	31,850	---	---	---	34,900
	---	---	---	36,150	29,000	25,000	29,000	30,000	---	36,000	42,000	30,000
	---	---	---	---	25,000	23,875	21,075	28,950	---	---	---	24,800
	---	---	---	36,150	31,948	30,486	27,217	30,320	---	36,000	42,000	31,206
	---	---	---	1,909	9,915	12,854	6,023	1,642	---	1,414	---	9,556
	0	0	0	2	11	14	6	5	0	2	1	41
Theoretical chemistry	---	---	---	---	---	---	33,500	---	---	---	---	41,750
	---	---	---	65,000	26,000	---	31,000	---	---	---	---	31,000
	---	---	---	---	---	---	28,142	---	---	---	---	27,142
	---	---	---	65,000	26,000	---	30,881	---	---	---	---	35,754
	---	---	---	---	---	---	2,771	---	---	---	---	14,618
	0	0	0	1	1	0	4	0	0	0	0	6
Polymer/ macromolecular chemistry	---	---	---	---	49,000	---	---	---	---	---	---	48,500
	---	---	---	31,600	38,000	---	---	---	---	---	---	36,250
	---	---	---	---	32,250	---	---	---	---	---	---	31,200
	---	---	---	31,600	40,100	---	---	---	---	---	---	38,683
	---	---	---	---	8,634	---	---	---	---	---	---	8,467
	0	0	0	1	5	0	0	0	0	0	0	6
Other chemistry	---	---	---	---	---	---	---	---	---	---	---	42,250
	---	---	---	48,500	28,000	36,000	27,850	---	---	31,735	---	31,735
	---	---	---	---	---	---	---	---	---	---	---	27,925
	---	---	---	48,500	28,000	36,000	27,850	---	---	31,735	---	34,417
	---	---	---	---	---	---	---	---	---	---	---	8,549
	0	0	0	1	1	1	1	0	0	1	0	5
TOTAL	---	---	25,500	34,475	36,000	38,750	36,000	38,000	38,775	53,625	37,000	36,000
	---	---	24,000	29,996	29,000	30,500	31,000	31,700	33,076	36,000	30,000	30,000
	---	---	22,000	22,200	24,550	26,925	28,000	29,000	29,500	31,184	25,062	26,000
	---	---	23,833	29,911	30,342	33,009	32,972	33,222	33,884	41,954	31,580	31,905
	---	---	1,756	9,992	7,838	9,622	7,815	6,214	5,258	17,521	6,569	8,839
	0	0	3	36	109	72	55	23	10	8	7	323

Table 4.4.2

SALARIES OF FULL-TIME EMPLOYED PhD ASSOCIATE PROFESSORS
by TYPE OF INSTITUTION and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SCHOOL	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Private Doctorate	—	—	—	36,375	41,000	41,000	39,925	—	42,000	—	37,000	40,000 - 75th $-ile
	—	—	—	30,156	35,000	36,750	35,000	—	37,700	37,000	35,000	35,000 - 50th $-ile
	—	—	—	25,150	29,000	31,725	30,000	—	33,000	—	27,000	30,000 - 25th $-ile
	—	—	—	30,041	35,726	38,929	35,635	—	37,567	37,000	33,000	35,492 - Mean
	—	—	—	7,269	7,384	9,515	7,889	—	4,501	—	5,292	8,009 - Std Dev
	0	0	0	10	19	14	12	0	3	1	3	62 - Count
Private Masters	—	—	—	—	—	29,785	—	—	—	—	—	30,000
	—	—	—	—	28,000	26,400	30,000	—	—	78,000	—	29,500
	—	—	—	—	—	23,075	—	—	—	—	—	23,300
	—	—	—	—	28,000	26,420	30,000	—	—	78,000	—	34,526
	—	—	—	—	—	3,781	—	—	—	—	—	19,403
	0	0	0	0	1	4	1	0	0	1	0	7
Private Bachelors	—	—	—	19,500	25,750	28,019	27,250	33,400	—	—	—	27,925
	—	—	—	18,500	23,250	24,550	21,089	31,000	—	—	—	24,000
	—	—	—	17,863	20,418	23,000	18,769	28,350	—	—	—	20,000
	—	—	—	18,645	23,338	25,620	22,369	32,213	—	—	—	24,713
	—	—	—	980	4,111	5,184	4,671	6,593	—	—	—	5,813
	0	0	0	5	24	14	4	8	0	0	0	55
Private Associate	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—
	0	0	0	0	0	0	0	0	0	0	0	0
Public Doctorate	—	—	—	39,938	40,000	40,375	38,000	38,725	—	53,000	—	39,000
	—	—	23,750	33,500	34,500	32,200	32,000	36,500	37,600	33,000	33,500	33,000
	—	—	—	25,000	29,227	30,000	29,000	30,000	—	27,550	—	29,414
	—	—	23,750	34,536	34,549	36,927	33,578	35,930	37,600	37,850	33,500	34,931
	—	—	2,475	12,078	7,094	11,019	5,752	6,483	6,223	14,531	12,021	8,687
	0	0	2	13	39	22	19	10	2	4	2	113
Public Masters	—	—	—	—	30,559	37,500	37,000	—	—	—	—	31,000
	—	—	24,000	27,500	25,390	28,600	30,500	29,950	32,984	—	30,000	28,600
	—	—	—	—	23,500	25,300	26,663	—	—	—	—	25,000
	—	—	24,000	27,500	27,866	31,000	32,992	29,950	32,984	—	30,000	29,859
	—	—	—	3,536	6,846	6,820	11,185	1,344	—	—	—	7,181
	0	0	1	2	11	9	6	2	1	0	1	33
Public Bachelors	—	—	—	36,996	26,875	35,750	35,000	—	32,364	—	—	31,726
	—	—	—	25,100	26,000	28,500	30,315	29,600	29,000	34,618	—	28,000
	—	—	—	23,300	24,013	26,450	27,500	—	27,100	—	—	26,000
	—	—	—	29,138	26,063	30,656	31,094	29,600	29,488	34,618	—	29,356
	—	—	—	8,830	2,413	5,353	4,552	2,970	2,776	4,076	—	4,992
	0	0	0	5	12	9	10	2	4	2	0	44
Public Associate	—	—	—	—	26,500	—	53,000	—	—	—	—	37,750
	—	—	—	33,500	25,000	—	42,000	28,000	—	—	25,062	26,500
	—	—	—	—	22,200	—	24,500	—	—	—	—	24,750
	—	—	—	33,500	24,567	—	39,833	28,000	—	—	25,062	31,085
	—	—	—	—	2,183	—	14,373	—	—	—	—	10,194
	0	0	0	1	3	0	3	1	0	0	1	9
TOTAL	—	—	25,500	34,475	36,000	38,750	36,000	38,000	38,775	53,625	37,000	36,000
	—	—	24,000	29,996	29,000	30,500	31,000	31,700	33,076	36,000	30,000	30,000
	—	—	22,000	22,200	24,550	26,925	28,000	29,000	29,500	31,184	25,062	26,000
	—	—	23,833	29,911	30,342	33,009	32,972	33,222	33,884	41,954	31,580	31,905
	—	—	1,756	9,992	7,838	9,622	7,815	6,214	5,258	17,521	6,569	8,839
	0	0	3	36	109	72	55	23	10	8	7	323

Table 4.4.3

SALARIES OF FULL-TIME EMPLOYED PhD ASSOCIATE PROFESSORS
by SEX and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SEX	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Men	---	---	25,500	34,750	36,000	39,000	37,000	34,675	35,250	68,500	39,500	36,000	- 75th %-ile
	---	---	24,000	30,000	29,000	30,000	32,000	31,300	31,492	37,500	30,000	30,000	- 50th %-ile
	---	---	22,000	24,500	25,000	26,975	28,350	29,175	27,700	34,000	26,031	26,000	- 25th %-ile
	---	---	23,833	30,756	30,889	32,945	33,184	33,145	32,131	48,500	32,212	32,206	- Mean
	---	---	1,756	9,899	7,638	10,095	7,762	6,205	5,457	19,621	7,105	8,966	- Std Dev
	0	0	3	29	93	62	45	20	6	5	5	268	- Count
Women	---	---	---	33,200	29,000	38,350	30,000	---	---	35,000	---	33,188	
	---	---	---	18,500	25,000	36,500	29,000	31,600	33,176	31,735	---	28,425	
	---	---	---	18,250	22,200	30,713	27,523	---	---	26,400	---	23,250	
	---	---	---	24,280	26,774	34,875	28,339	31,600	33,176	31,045	---	28,833	
	---	---	---	8,224	8,627	4,662	3,174	9,475	34	4,341	---	7,276	
	0	0	0	5	15	6	7	2	2	3	0	40	
No Response	---	---	---	---	---	40,099	53,000	---	---	---	---	42,000	
	---	---	---	31,738	33,000	29,000	38,200	38,000	39,850	---	30,000	35,000	
	---	---	---	---	---	24,500	30,629	---	---	---	---	26,000	
	---	---	---	31,738	33,000	31,200	40,610	38,000	39,850	---	30,000	34,720	
	---	---	---	17,165	---	8,447	11,379	---	3,041	---	7,071	8,901	
	0	0	0	2	1	4	3	1	2	0	2	15	
TOTAL	---	---	25,500	34,475	36,000	38,750	36,000	38,000	38,775	53,625	37,000	36,000	
	---	---	24,000	29,996	29,000	30,500	31,000	31,700	33,076	36,000	30,000	30,000	
	---	---	22,000	22,200	24,550	26,925	28,000	29,000	29,500	31,184	25,062	26,000	
	---	---	23,833	29,911	30,342	33,009	32,972	33,222	33,884	41,954	31,580	31,905	
	---	---	1,756	9,992	7,838	9,622	7,815	6,214	5,258	17,521	6,569	8,839	
	0	0	3	36	109	72	55	23	10	8	7	323	

Table 4.5.1

SALARIES OF FULL-TIME EMPLOYED PhD PROFESSORS
by WORK SPECIALTY and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SPECIALTY	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Biochemistry	—	—	—	—	55,000	51,750	54,250	60,000	59,250	69,250	74,500	59,000 - 75th %-ile
	—	—	—	56,000	37,750	44,200	45,000	50,000	50,000	60,000	50,000	49,000 - 50th %-ile
	—	—	—	—	35,755	38,125	40,000	36,000	43,940	48,000	40,500	39,750 - 25th %-ile
	—	—	—	56,000	43,255	46,025	47,846	48,522	49,911	60,503	56,000	49,740 - Mean
	—	—	—	—	10,423	13,291	13,578	14,128	10,696	16,565	17,750	14,323 - Std Dev
	0	0	0	1	10	20	30	31	14	18	5	129 - Count
Agricultural/ food chemistry	—	—	—	—	—	57,500	49,900	59,500	56,250	55,000	—	53,000
	—	—	—	36,000	41,000	49,200	43,600	54,000	50,500	40,000	—	44,000
	—	—	—	—	—	34,314	41,000	44,750	44,000	40,000	—	41,000
	—	—	—	36,000	41,000	47,005	44,687	52,750	50,250	45,000	—	46,862
	—	—	—	—	—	11,748	4,300	7,932	6,551	8,660	—	7,492
	0	0	0	1	1	3	7	4	4	3	0	23
Analytical chemistry	—	—	—	—	—	40,500	40,000	39,798	52,250	40,875	—	40,000
	—	—	—	22,000	26,000	34,340	34,000	36,100	37,500	33,600	49,950	36,000
	—	—	—	—	—	30,250	29,875	31,625	35,500	30,250	—	30,000
	—	—	—	22,000	26,000	36,099	36,120	37,112	41,750	38,963	49,950	37,108
	—	—	—	—	—	8,745	8,770	6,170	10,243	15,296	17,041	9,791
	0	0	0	1	1	16	17	14	4	8	2	63
Environmental chemistry	—	—	—	—	—	54,675	51,848	59,000	—	65,000	—	58,000
	—	—	—	—	44,000	43,700	39,500	58,000	52,000	50,000	—	49,130
	—	—	—	—	—	33,175	32,250	36,000	—	35,000	—	36,000
	—	—	—	—	44,000	43,850	41,522	51,900	52,000	50,000	—	46,862
	—	—	—	—	5,657	11,344	11,623	15,748	—	15,000	—	12,593
	0	0	0	0	2	4	6	7	1	3	0	23
Organic chemistry	—	—	—	—	36,600	40,000	45,500	40,000	51,250	48,000	—	44,300
	—	—	—	37,000	35,184	36,000	36,450	37,000	41,938	41,500	53,000	37,000
	—	—	—	—	31,500	32,000	34,550	31,750	31,232	36,000	—	33,000
	—	—	—	37,000	36,967	36,347	39,331	37,477	43,044	42,564	53,000	39,154
	—	—	—	—	11,050	7,401	8,342	9,015	11,111	9,506	—	9,346
	0	0	0	1	13	35	42	43	26	23	1	184
Inorganic chemistry	—	—	—	—	49,500	38,368	37,325	48,400	50,950	57,500	—	43,325
	—	—	—	23,000	32,000	34,200	35,000	43,000	39,832	42,000	36,450	35,000
	—	—	—	—	27,000	31,250	30,250	30,300	35,250	28,000	—	30,375
	—	—	—	23,000	36,167	35,797	33,585	40,112	42,776	42,649	36,450	37,404
	—	—	—	2,828	11,815	7,976	5,411	11,064	10,714	15,485	15,061	10,236
	0	0	0	2	3	29	20	17	10	11	2	94
Pharmaceutical/ medicinal/ clinical chemistry	—	—	—	—	—	72,000	51,000	63,000	62,500	75,500	—	62,000
	—	—	—	—	40,000	50,000	46,334	53,000	52,500	60,000	42,214	50,000
	—	—	—	—	—	39,000	32,167	44,750	43,250	51,000	—	43,250
	—	—	—	—	40,000	53,667	43,167	54,100	52,750	61,333	42,214	53,003
	—	—	—	—	5,657	16,803	10,546	13,320	10,012	13,937	11,011	13,595
	0	0	0	0	2	3	4	10	4	9	2	34
Physical chemistry	—	—	—	—	67,000	39,479	44,375	46,950	50,950	53,500	—	46,725
	—	—	—	—	36,500	34,000	35,500	44,000	42,505	44,487	—	41,582
	—	—	—	—	25,350	27,000	30,500	41,225	32,850	40,643	—	33,000
	—	—	—	—	44,240	36,410	39,109	44,783	43,537	46,070	—	41,568
	—	—	—	—	23,172	13,362	11,769	9,991	12,795	11,271	—	12,675
	0	0	0	0	5	21	28	24	12	14	0	104
Theoretical chemistry	—	—	—	—	45,600	43,000	—	52,800	—	79,375	—	52,400
	—	—	—	34,000	33,000	30,000	37,000	43,000	52,000	58,950	58,000	43,000
	—	—	—	—	28,000	21,000	—	37,000	—	46,475	—	33,500
	—	—	—	34,000	35,533	31,333	37,000	44,267	52,000	61,600	58,000	44,753
	—	—	—	—	9,069	11,060	—	7,976	—	17,686	—	15,431
	0	0	0	1	3	3	1	3	1	4	1	17
Polymer/ macromolecular chemistry	—	—	—	—	—	48,500	58,652	54,961	54,250	—	—	49,250
	—	—	—	—	—	43,600	41,304	49,500	48,500	31,000	35,000	46,554
	—	—	—	—	—	30,823	33,250	46,875	45,750	—	—	35,861
	—	—	—	—	—	40,449	44,402	50,297	49,500	31,000	35,000	44,574
	—	—	—	—	—	9,092	13,613	4,119	4,655	—	14,142	9,717
	0	0	0	0	0	5	4	6	4	1	2	22
Other chemistry	—	—	—	—	—	43,000	60,000	64,500	45,000	—	—	55,700
	—	—	—	—	—	35,910	55,700	48,050	41,250	56,500	51,250	43,000
	—	—	—	—	—	30,000	42,500	37,625	40,000	—	—	38,000
	—	—	—	—	—	37,390	52,733	52,767	42,083	56,500	51,250	46,882
	—	—	—	—	—	7,933	9,119	19,677	2,602	2,121	12,374	13,288
	0	0	0	0	0	7	3	6	3	2	2	23
TOTAL	—	—	—	37,000	44,750	43,000	46,250	50,000	52,000	59,724	59,000	50,000
	—	—	—	34,000	36,000	36,000	38,994	43,000	46,000	46,950	47,100	40,000
	—	—	—	22,000	32,271	32,000	33,000	36,000	37,000	38,000	38,450	34,000
	—	—	—	33,000	39,611	38,414	40,589	43,990	45,486	49,180	48,278	42,703
	—	—	—	12,138	12,132	10,761	10,937	12,453	10,661	15,434	14,581	12,593
	0	0	0	7	40	146	162	165	83	96	17	716

Table 4.5.2

SALARIES OF FULL-TIME EMPLOYED PhD PROFESSORS
by TYPE OF INSTITUTION and YEARS SINCE BS
1984 Survey of ACS Members

SCHOOL	YEARS SINCE BS 0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL	
Private Doctorate	---	---	---	---	55,000	43,600	53,000	58,500	63,500	69,990	58,250	58,000	- 75th %-ile
	---	---	---	45,000	38,500	38,500	45,000	47,000	52,000	54,500	50,000	48,000	- 50th %-ile
	---	---	---	---	36,000	35,000	39,600	39,950	48,000	42,250	43,125	39,000	- 25th %-ile
	---	---	---	45,000	46,769	41,728	47,367	48,348	52,584	57,952	51,063	49,699	- Mean
	---	---	---	15,556	15,842	11,826	12,279	12,324	10,452	16,319	9,734	13,663	- Std Dev
	0	0	0	2	13	15	27	25	19	24	8	133	- Count
Private Masters	---	---	---	---	---	40,000	40,675	40,250	39,188	42,000	---	40,000	
	---	---	---	---	45,500	36,000	38,100	37,000	36,000	38,000	---	37,000	
	---	---	---	---	---	34,200	34,925	32,750	29,925	30,925	---	32,675	
	---	---	---	---	45,500	36,733	37,900	36,530	34,845	36,770	---	37,109	
	---	---	---	---	25,335	2,969	3,003	6,107	4,926	5,844	---	6,897	
	0	0	0	0	2	3	4	10	5	5	0	29	
Private Bachelors	---	---	---	---	37,000	31,625	36,000	37,000	39,125	38,000	---	36,000	
	---	---	---	21,500	28,000	27,500	30,000	30,950	30,000	30,000	37,900	30,000	
	---	---	---	---	28,000	22,811	27,125	27,625	27,250	27,000	---	27,000	
	---	---	---	21,500	31,000	27,620	32,043	32,856	33,500	31,916	37,900	31,305	
	---	---	---	707	5,196	5,353	6,127	6,139	10,039	8,368	---	6,968	
	0	0	0	2	3	20	21	28	10	11	1	96	
Private Associate	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	
	0	0	0	0	0	0	0	0	0	0	0	0	
Public Doctorate	---	---	---	---	44,500	51,075	50,218	56,000	55,000	59,991	66,500	54,195	
	---	---	---	36,000	40,000	41,750	43,350	49,500	50,000	52,028	52,550	46,650	
	---	---	---	---	35,456	34,829	35,550	44,000	42,500	41,625	37,950	38,700	
	---	---	---	36,000	38,986	44,353	43,890	50,544	48,425	52,216	52,483	47,272	
	---	---	---	---	6,371	11,130	11,043	11,895	8,294	12,794	18,596	11,800	
	0	0	0	1	13	62	72	71	37	48	6	310	
Public Masters	---	---	---	---	35,092	37,100	37,136	42,000	41,758	46,150	---	39,296	
	---	---	---	---	33,000	35,000	35,500	36,000	40,400	39,800	---	36,000	
	---	---	---	---	28,564	32,000	31,875	32,000	35,991	36,750	---	32,874	
	---	---	---	---	32,062	35,184	35,342	37,910	39,822	40,900	---	36,395	
	---	---	---	---	4,115	4,310	3,814	7,438	3,630	5,103	---	5,293	
	0	0	0	0	5	21	20	15	8	4	0	73	
Public Bachelors	---	---	---	---	35,184	39,500	38,000	41,783	46,000	---	---	38,198	
	---	---	---	25,000	30,000	32,850	36,000	36,500	40,758	30,500	34,428	35,000	
	---	---	---	---	26,000	30,150	30,000	33,500	34,000	---	---	30,000	
	---	---	---	25,000	30,395	34,255	34,015	38,537	40,253	30,500	34,428	34,983	
	---	---	---	---	4,605	5,764	4,878	8,503	6,016	3,536	---	6,579	
	0	0	0	1	3	20	11	12	3	2	1	53	
Public Associate	---	---	---	---	---	31,500	40,000	45,250	---	---	---	36,250	
	---	---	---	37,000	34,116	30,000	33,000	35,875	36,000	32,250	25,000	32,250	
	---	---	---	---	---	26,500	25,000	27,438	---	---	---	26,750	
	---	---	---	37,000	34,116	29,200	33,000	36,188	36,000	32,250	25,000	32,653	
	---	---	---	---	---	2,775	7,874	9,218	---	354	---	6,397	
	0	0	0	1	1	5	7	4	1	2	1	22	
TOTAL	---	---	---	37,000	44,750	43,000	46,250	50,000	52,000	59,724	59,000	50,000	
	---	---	---	34,000	36,000	36,000	38,994	43,000	46,000	46,950	47,100	40,000	
	---	---	---	22,000	32,271	32,000	33,000	36,000	37,000	38,000	38,450	34,000	
	---	---	---	33,000	39,611	38,414	40,589	43,990	45,486	49,180	48,278	42,703	
	---	---	---	12,138	12,132	10,761	10,937	12,453	10,661	15,434	14,581	12,593	
	0	0	0	7	40	146	162	165	83	96	17	716	

Table 4.5.3

SALARIES OF FULL-TIME EMPLOYED PhD PROFESSORS
by SEX and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
SEX	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Men	---	---	---	46,500	44,750	43,000	47,875	50,000	52,000	59,241	59,000	50,000 - 75th %-ile
	---	---	---	36,000	36,250	36,000	39,650	43,600	46,000	45,987	47,100	40,000 - 50th %-ile
	---	---	---	28,000	33,279	32,000	33,225	36,000	36,000	38,000	38,450	34,000 - 25th %-ile
	---	---	---	37,000	40,011	38,635	41,162	44,041	45,372	48,933	48,278	42,897 - Mean
	---	---	---	12,207	12,181	10,864	11,031	12,353	10,906	14,544	14,581	12,397 - Std Dev
	0	0	0	5	36	136	148	152	75	86	17	655 - Count
Women	---	---	---	---	---	42,032	34,500	52,486	57,750	69,000	---	45,600
	---	---	---	25,000	32,028	32,000	29,750	44,300	46,505	32,000	---	34,000
	---	---	---	---	---	28,500	25,500	42,175	41,071	24,300	---	29,750
	---	---	---	25,000	32,028	34,613	29,950	46,320	48,442	41,767	---	38,443
	---	---	---	---	---	9,447	4,849	5,850	8,954	23,897	---	12,198
	0	0	0	1	1	5	5	4	4	3	0	23
No Response	---	---	---	---	55,000	44,500	41,500	48,000	51,700	63,000	---	50,650
	---	---	---	21,000	29,000	33,000	36,000	36,200	47,000	50,000	---	36,350
	---	---	---	---	28,000	29,500	31,000	33,750	35,325	44,000	---	32,000
	---	---	---	21,000	37,333	36,200	37,089	42,100	44,675	55,385	---	41,924
	---	---	---	---	15,308	9,935	8,318	16,711	8,940	22,611	---	15,711
	0	0	0	1	3	5	9	9	4	7	0	38
TOTAL	---	---	---	37,000	44,750	43,000	46,250	50,000	52,000	59,724	59,000	50,000
	---	---	---	34,000	36,000	36,000	38,994	43,000	46,000	46,950	47,100	40,000
	---	---	---	22,000	32,271	32,000	33,000	36,000	37,000	38,000	38,450	34,000
	---	---	---	33,000	39,611	38,414	40,589	43,990	45,486	49,180	48,278	42,703
	---	---	---	12,138	12,132	10,761	10,937	12,453	10,661	15,434	14,581	12,593
	0	0	0	7	40	146	162	165	83	96	17	716

Table 5.1.0

SALARIES of FULL-TIME EMPLOYED NON-ACADEMIC CHEMICAL ENGINEERS
by HIGHEST DEGREE and YEARS SINCE BS
1984 Survey of ACS Members

	YEARS SINCE BS											
HIGHEST DEGREE	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp	TOTAL
Bachelors	---	32,000	37,260	43,900	48,025	59,302	70,250	69,075	68,750	65,775	---	53,000 - 75th %-ile
	21,800	30,000	33,000	37,150	42,800	45,000	44,000	55,350	51,000	48,000	23,000	39,995 - 50th %-ile
	---	27,150	27,900	30,000	37,375	35,150	36,588	44,000	44,050	37,250	---	32,000 - 25th %-ile
	21,800	29,851	32,561	39,919	44,167	47,321	50,287	58,105	57,201	50,608	23,000	44,849 - Mean
	4,525	4,484	5,368	14,683	9,979	14,887	19,428	15,724	19,158	18,460	---	17,681 - Std Dev
	2	30	37	22	12	13	17	36	32	16	1	218 - Count
Masters	---	31,100	37,625	46,000	48,000	62,100	72,000	73,325	70,000	70,100	57,500	59,000
	---	28,200	32,650	41,000	40,000	53,000	65,000	57,520	53,500	56,400	47,500	46,000
	---	26,250	30,375	35,000	38,000	41,500	50,000	50,725	42,570	47,950	44,625	36,660
	---	28,580	35,339	40,819	44,490	51,852	61,138	61,847	57,958	58,735	49,875	49,133
	---	2,562	7,028	7,655	10,106	11,778	14,463	16,621	19,470	17,912	7,192	16,217
	0	5	26	23	27	18	11	20	20	17	4	171
Doctorate	---	---	46,200	50,550	61,625	65,650	68,500	82,500	66,900	80,676	---	66,500
	---	---	43,000	44,800	54,000	55,500	56,000	74,000	58,500	65,000	71,000	54,700
	---	---	38,875	40,750	46,750	50,000	50,000	65,250	48,000	56,000	---	46,100
	---	---	42,487	46,000	55,739	56,597	61,450	74,579	58,265	69,038	71,000	57,812
	---	---	5,520	7,571	11,525	9,447	14,694	11,916	18,211	19,168	41,012	15,860
	0	0	14	33	30	26	21	25	17	15	2	183
No Response	---	---	---	---	---	---	---	---	---	---	47,250	46,000
	25,000	---	---	---	---	---	---	---	---	---	40,000	40,000
	---	---	---	---	---	---	---	---	---	---	26,500	25,000
	25,000	---	---	---	---	---	---	---	---	---	39,319	38,565
	---	---	---	---	---	---	---	---	---	---	13,615	13,633
	1	0	0	0	0	0	0	0	0	0	18	19
TOTAL	25,000	32,000	39,496	46,850	58,250	61,350	70,000	75,790	68,900	74,550	50,500	60,000
	25,000	30,000	34,500	41,500	46,000	52,700	54,240	64,000	53,000	56,200	42,000	46,400
	18,600	27,000	30,750	36,000	40,000	44,106	45,750	52,000	45,000	45,880	27,750	37,176
	22,867	29,670	35,304	42,757	49,325	52,983	57,507	64,114	57,682	59,246	42,890	49,900
	3,695	4,258	6,948	10,358	11,997	11,974	16,960	16,375	18,748	19,584	17,546	17,526
	3	35	77	78	69	57	49	81	69	48	25	591

Table 6.1.0

STIPENDS OF POST-DOCTORAL FELLOWS IN CHEMISTRY
according to TYPE OF INSTITUTION and SPECIALTY
1984 Survey of ACS Members

SPECIALTY	TYPE OF INSTITUTION									
	Private Doctorate	Private Masters	Private Bachelors	Private Assoc.	Public Doctorate	Public Masters	Public Bachelors	Public Assoc.	No Response	TOTAL
Biochemistry	17,175	—	—	—	15,468	—	—	—	—	16,450 - 75th %-ile
	15,900	—	40,500	—	15,000	—	—	—	—	15,000 - 50th %-ile
	15,000	—	—	—	14,000	—	—	—	—	14,260 - 25th %-ile
	16,366	—	40,500	—	15,421	—	—	—	—	16,336 - Mean
	1,924	—	—	—	3,961	—	—	—	—	4,893 - Std Dev
	18	0	1	0	27	0	0	0	0	46 - Count
Agricultural/ food chemistry	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—
	0	0	0	0	0	0	0	0	0	0
Analytical chemistry	—	—	—	—	19,600	—	—	—	—	19,650
	16,350	—	—	—	15,500	—	—	—	—	15,500
	—	—	—	—	14,800	—	—	—	—	13,900
	16,350	—	—	—	16,633	—	—	—	—	16,520
	4,738	—	—	—	2,593	—	—	—	—	2,999
	2	0	0	0	3	0	0	0	0	5
Environmental chemistry	—	—	—	—	18,000	—	—	—	—	19,000
	13,650	—	—	—	15,180	—	—	—	—	15,180
	—	—	—	—	14,000	—	—	—	—	10,650
	13,650	—	—	—	15,727	—	—	—	—	14,896
	8,980	—	—	—	2,055	—	—	—	—	4,855
	2	0	0	0	3	0	0	0	0	5
Organic chemistry	15,250	—	—	—	16,375	—	—	—	—	16,000
	14,040	14,000	—	—	15,000	13,800	15,000	23,000	—	14,500
	13,870	—	—	—	14,000	—	—	—	—	14,000
	14,549	14,000	—	—	16,435	13,800	15,000	23,000	—	15,474
	1,100	—	—	—	5,986	—	—	—	—	4,112
	25	1	0	0	20	1	1	1	0	49
Inorganic chemistry	16,750	—	—	—	16,040	—	—	—	—	16,040
	15,250	—	—	—	15,000	—	—	—	—	15,000
	15,000	—	—	—	14,000	—	—	—	—	14,000
	16,313	—	—	—	15,522	—	—	—	—	15,775
	3,305	—	—	—	2,496	—	—	—	—	2,735
	8	0	0	0	17	0	0	0	0	25
Pharmaceutical/ medicinal/ clinical chemistry	23,575	—	—	—	17,000	—	—	—	—	22,000
	19,100	—	—	—	16,000	—	—	—	—	16,200
	14,310	—	—	—	15,000	—	—	—	—	15,000
	19,323	—	—	—	16,000	—	—	—	—	17,813
	5,197	—	—	—	1,000	—	—	—	—	4,113
	6	0	0	0	5	0	0	0	0	11
Physical chemistry	17,000	—	—	—	17,500	—	—	—	—	17,000
	16,000	—	—	—	16,000	15,600	—	—	—	16,000
	15,000	—	—	—	15,000	—	—	—	—	15,000
	16,318	—	—	—	16,200	15,600	—	—	—	16,241
	2,432	—	—	—	1,351	—	—	—	—	2,045
	11	0	0	0	5	1	0	0	0	17
Theoretical chemistry	—	—	—	—	—	—	—	—	—	32,500
	20,000	—	—	—	23,500	—	—	—	—	20,000
	—	—	—	—	—	—	—	—	—	14,500
	20,000	—	—	—	23,500	—	—	—	—	22,333
	—	—	—	—	12,728	—	—	—	—	9,224
	1	0	0	0	2	0	0	0	0	3
Polymer/ macromolecular chemistry	—	—	—	—	19,600	—	—	—	—	18,200
	14,000	—	—	—	14,000	—	—	—	—	14,000
	—	—	—	—	14,000	—	—	—	—	14,000
	14,000	—	—	—	15,867	—	—	—	—	15,400
	—	—	—	—	3,233	—	—	—	—	2,800
	1	0	0	0	3	0	0	0	0	4
Other chemistry	—	—	—	—	23,500	—	—	—	—	22,375
	13,650	—	—	—	19,000	—	—	—	—	18,700
	—	—	—	—	18,400	—	—	—	—	14,838
	13,650	—	—	—	20,300	—	—	—	—	18,638
	—	—	—	—	2,787	—	—	—	—	4,029
	1	0	0	0	3	0	0	0	0	4
TOTAL	16,800	—	—	—	16,875	—	—	—	—	16,800
	15,000	14,000	40,500	—	15,000	14,700	15,000	23,000	—	15,000
	14,040	—	—	—	14,000	—	—	—	—	14,000
	15,892	14,000	40,500	—	16,165	14,700	15,000	23,000	—	16,191
	2,906	—	—	—	4,294	1,273	—	—	—	4,144
	75	1	1	0	88	2	1	1	0	169

Table 6.2.0

SALARIES of POST-DOCTORAL FELLOWS IN CHEMISTRY
by TYPE OF INSTITUTION and YEARS SINCE BS
1984 Survey of ACS Members

TYPE OF INSTITUTION	YEARS SINCE BS											TOTAL	
	0-1	2-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	>=40	No Resp		
Doctorate	---	---	16,000	17,000	19,675	32,125	---	---	---	---	19,000	16,800	- 75th %-ile
	---	22,000	15,000	15,250	16,100	13,750	---	15,000	---	---	15,500	15,000	- 50th %-ile
	---	---	14,000	14,245	14,750	9,025	---	---	---	---	14,250	14,000	- 25th %-ile
	---	22,000	15,651	16,155	17,898	18,300	---	15,000	---	---	16,250	16,039	- Mean
	---	---	3,122	2,685	5,729	13,453	---	---	---	---	2,630	3,712	- Std Dev
	0	1	99	44	10	4	0	1	0	0	4	163	- Count
Non-Doctorate	---	---	---	---	---	---	---	---	---	---	---	27,375	
	---	---	15,000	14,800	13,800	---	23,000	40,500	---	---	---	15,300	
	---	---	---	---	---	---	---	---	---	---	---	13,950	
	---	---	15,000	14,800	13,800	---	23,000	40,500	---	---	---	20,317	
	---	---	---	1,131	---	---	---	---	---	---	---	10,464	
	0	0	1	2	1	0	1	1	0	0	0	6	
TOTAL	---	---	16,000	17,000	18,900	32,125	---	---	---	---	19,000	16,800	
	---	22,000	15,000	15,250	16,000	13,750	23,000	27,750	---	---	15,500	15,000	
	---	---	14,000	14,160	14,000	9,025	---	---	---	---	14,250	14,000	
	---	22,000	15,644	16,096	17,525	18,300	23,000	27,750	---	---	16,250	16,191	
	---	---	3,107	2,645	5,574	13,453	---	18,031	---	---	2,630	4,144	
	0	1	100	46	11	4	1	2	0	0	4	169	

Table 7.1.0

EMPLOYMENT STATUS OF RESPONDENTS
by WORK FIELDS
1984 Survey of ACS Members

EMPLOYMENT STATUS	WORK FIELD: Chemical Engineering	Chemistry	Biochemical	No Response	TOTAL	
Postdoctoral or Other Fellowship	7	249	6	0	262	-Count
	2.7%	95.0%	2.3%	0.0%	100.0%	-% of Row
	0.7%	2.8%	0.7%	0.0%	2.5%	-% of Col
Employed Full-time	859	8,075	746	79	9,759	
	8.8%	82.7%	7.6%	0.8%	100.0%	
	91.8%	91.9%	90.4%	81.4%	91.7%	
Unemployed Seeking	27	145	20	5	197	
	13.7%	73.6%	10.2%	2.5%	100.0%	
	2.9%	1.7%	2.4%	5.2%	1.9%	
Unemployed Not Seeking	13	76	11	4	104	
	12.5%	73.1%	10.6%	3.8%	100.0%	
	1.4%	0.9%	1.3%	4.1%	1.0%	
Employed Part-time	14	149	29	1	193	
	7.3%	77.2%	15.0%	0.5%	100.0%	
	1.5%	1.7%	3.5%	1.0%	1.8%	
No Response	16	92	13	8	129	
	12.4%	71.3%	10.1%	6.2%	100.0%	
	1.7%	1.0%	1.6%	8.2%	1.2%	
TOTAL	936	8,786	825	97	10,644	
	8.8%	82.5%	7.8%	0.9%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.1.0

EMPLOYMENT STATUS OF CHEMISTS
by HIGHEST DEGREE
1984 Survey of ACS Members

	HIGHEST DEGREE					
EMPLOYMENT STATUS	Bachelors	Masters	Doctorate	No Response	TOTAL	
Postdoctoral or Other Fellowship	11	4	230	4	249	-Count
	4.4%	1.6%	92.4%	1.6%	100.0%	-% of Row
	0.5%	0.3%	4.8%	1.4%	2.8%	-% of Col
Employed Full-time	2,010	1,467	4,343	255	8,075	
	24.9%	18.2%	53.8%	3.2%	100.0%	
	93.5%	92.7%	90.9%	92.4%	91.9%	
Unemployed Seeking	46	35	58	6	145	
	31.7%	24.1%	40.0%	4.1%	100.0%	
	2.1%	2.2%	1.2%	2.2%	1.7%	
Unemployed Not Seeking	28	24	24	0	76	
	36.8%	31.6%	31.6%	0.0%	100.0%	
	1.3%	1.5%	0.5%	0.0%	0.9%	
Employed Part-time	37	33	73	6	149	
	24.8%	22.1%	49.0%	4.0%	100.0%	
	1.7%	2.1%	1.5%	2.2%	1.7%	
No Response	18	19	50	5	92	
	19.6%	20.7%	54.3%	5.4%	100.0%	
	0.8%	1.2%	1.0%	1.8%	1.0%	
TOTAL	2,150	1,582	4,778	276	8,786	
	24.5%	18.0%	54.4%	3.1%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.1.1

EMPLOYMENT STATUS OF CHEMISTS -MEN Only
by HIGHEST DEGREE
1984 Survey of ACS Members

	HIGHEST DEGREE					
EMPLOYMENT STATUS	Bachelors	Masters	Doctorate	No Response	TOTAL	
Postdoctoral or Other Fellowship	9	3	186	4	202	-Count
	4.5%	1.5%	92.1%	2.0%	100.0%	-% of Row
	0.6%	0.2%	4.5%	1.7%	2.8%	-% of Col
Employed Full-time	1,530	1,145	3,821	224	6,720	
	22.8%	17.0%	56.9%	3.3%	100.0%	
	94.2%	93.8%	91.8%	92.6%	92.7%	
Unemployed Seeking	30	27	49	6	112	
	26.8%	24.1%	43.8%	5.4%	100.0%	
	1.8%	2.2%	1.2%	2.5%	1.5%	
Unemployed Not Seeking	18	13	18	0	49	
	36.7%	26.5%	36.7%	0.0%	100.0%	
	1.1%	1.1%	0.4%	0.0%	0.7%	
Employed Part-time	22	18	48	4	92	
	23.9%	19.6%	52.2%	4.3%	100.0%	
	1.4%	1.5%	1.2%	1.7%	1.3%	
No Response	16	15	41	4	76	
	21.1%	19.7%	53.9%	5.3%	100.0%	
	1.0%	1.2%	1.0%	1.7%	1.0%	
TOTAL	1,625	1,221	4,163	242	7,251	
	22.4%	16.8%	57.4%	3.3%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.1.2

EMPLOYMENT STATUS OF CHEMISTS -WOMEN Only
by HIGHEST DEGREE
1984 Survey of ACS Members

	HIGHEST DEGREE					
EMPLOYMENT STATUS	Bachelors	Masters	Doctorate	No Response	TOTAL	
Postdoctoral or Other Fellowship	2	1	40	0	43	-Count
	4.7%	2.3%	93.0%	0.0%	100.0%	-% of Row
	0.4%	0.3%	9.1%	0.0%	3.5%	-% of Col
Employed Full-time	425	280	358	18	1,081	
	39.3%	25.9%	33.1%	1.7%	100.0%	
	90.8%	88.3%	81.7%	90.0%	87.0%	
Unemployed Seeking	16	8	8	0	32	
	50.0%	25.0%	25.0%	0.0%	100.0%	
	3.4%	2.5%	1.8%	0.0%	2.6%	
Unemployed Not Seeking	9	10	5	0	24	
	37.5%	41.7%	20.8%	0.0%	100.0%	
	1.9%	3.2%	1.1%	0.0%	1.9%	
Employed Part-time	14	15	22	1	52	
	26.9%	28.8%	42.3%	1.9%	100.0%	
	3.0%	4.7%	5.0%	5.0%	4.2%	
No Response	2	3	5	1	11	
	18.2%	27.3%	45.5%	9.1%	100.0%	
	0.4%	0.9%	1.1%	5.0%	0.9%	
TOTAL	468	317	438	20	1,243	
	37.7%	25.5%	35.2%	1.6%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.2.0

EMPLOYMENT STATUS OF CHEMISTS
by AGE LEVEL
1984 Survey of ACS Members

AGE LEVEL

EMPLOYMENT STATUS	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	>=70	No Response	TOTAL	
Postdoctoral or Other Fellowship	3	114	86	22	3	4	1	2	0	0	0	12	249	-Count
	1.2%	45.8%	35.3%	8.8%	1.2%	1.6%	0.4%	0.8%	0.0%	0.0%	0.0%	4.8%	100.0%	-% of Row
	1.6%	11.7%	6.5%	1.7%	0.3%	0.4%	0.1%	0.3%	0.0%	0.0%	0.0%	2.2%	2.8%	-% of Col
Employed Full-time	170	816	1,228	1,209	1,136	870	823	705	495	127	2	494	8,075	
	2.1%	10.1%	15.2%	15.0%	14.1%	10.8%	10.2%	8.7%	6.1%	1.6%	0.0%	6.1%	100.0%	
	90.4%	83.6%	90.0%	94.6%	95.9%	94.6%	96.9%	92.0%	87.3%	84.7%	33.3%	91.8%	91.9%	
Unemployed Seeking	9	20	22	16	13	17	8	20	12	0	0	8	145	
	6.2%	13.8%	15.2%	11.0%	9.0%	11.7%	5.5%	13.8%	8.3%	0.0%	0.0%	5.5%	100.0%	
	4.8%	2.0%	1.6%	1.3%	1.1%	1.8%	0.9%	2.6%	2.1%	0.0%	0.0%	1.5%	1.7%	
Unemployed Not Seeking	0	8	6	3	4	4	3	14	18	8	1	7	76	
	0.0%	10.5%	7.9%	3.9%	5.3%	5.3%	3.9%	18.4%	23.7%	10.5%	1.3%	9.2%	100.0%	
	0.0%	0.8%	0.4%	0.2%	0.3%	0.4%	0.4%	1.8%	3.2%	5.3%	16.7%	1.3%	0.9%	
Employed Part-time	5	11	13	14	17	16	8	14	29	14	3	5	149	
	3.4%	7.4%	8.7%	9.4%	11.4%	10.7%	5.4%	9.4%	19.5%	9.4%	2.0%	3.4%	100.0%	
	2.7%	1.1%	1.0%	1.1%	1.4%	1.7%	0.9%	1.8%	5.1%	9.3%	50.0%	0.9%	1.7%	
No Response	1	7	7	14	11	9	6	11	13	1	0	12	92	
	1.1%	7.6%	7.6%	15.2%	12.0%	9.8%	6.5%	12.0%	14.1%	1.1%	0.0%	13.0%	100.0%	
	0.5%	0.7%	0.5%	1.1%	0.9%	1.0%	0.7%	1.4%	2.3%	0.7%	0.0%	2.2%	1.0%	
TOTAL	188	976	1,364	1,278	1,184	920	849	766	567	150	6	538	8,786	
	2.1%	11.1%	15.5%	14.5%	13.5%	10.5%	9.7%	8.7%	6.5%	1.7%	0.1%	6.1%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.3.0

EMPLOYMENT STATUS OF CHEMISTS
by RACE/ETHNICITY
1984 Survey of ACS Members

EMPLOYMENT STATUS	RACE/ETHNICITY White	Black	American Indian	Asian/ Pacific	Hispanic	Other	No Response	TOTAL	
Postdoctoral or Other Fellowship	191	3	0	42	6	3	4	249	-Count
	76.7%	1.2%	0.0%	16.9%	2.4%	1.2%	1.6%	100.0%	-% of Row
	2.4%	4.2%	0.0%	8.8%	8.7%	10.3%	7.4%	2.8%	-% of Col
Employed Full-time	7,460	64	11	410	58	25	47	8,075	
	92.4%	0.8%	0.1%	5.1%	0.7%	0.3%	0.6%	100.0%	
	92.4%	88.9%	100.0%	85.8%	84.1%	86.2%	87.0%	91.9%	
Unemployed Seeking	125	4	0	12	4	0	0	145	
	86.2%	2.8%	0.0%	8.3%	2.8%	0.0%	0.0%	100.0%	
	1.5%	5.6%	0.0%	2.5%	5.8%	0.0%	0.0%	1.7%	
Unemployed Not Seeking	76	0	0	0	0	0	0	76	
	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	
Employed Part-time	141	0	0	5	0	1	2	149	
	94.6%	0.0%	0.0%	3.4%	0.0%	0.7%	1.3%	100.0%	
	1.7%	0.0%	0.0%	1.0%	0.0%	3.4%	3.7%	1.7%	
No Response	80	1	0	9	1	0	1	92	
	87.0%	1.1%	0.0%	9.8%	1.1%	0.0%	1.1%	100.0%	
	1.0%	1.4%	0.0%	1.9%	1.4%	0.0%	1.9%	1.0%	
TOTAL	8,073	72	11	478	69	29	54	8,786	
	91.9%	0.8%	0.1%	5.4%	0.8%	0.3%	0.6%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.4.0

EMPLOYMENT STATUS OF CHEMISTS
by CITIZENSHIP
1984 Survey of ACS Members

	CITIZENSHIP					
EMPLOYMENT STATUS	U.S. Citizen	Permanent Resident	Other	No Response	TOTAL	
Postdoctoral or Other Fellowship	194	23	32	0	249	-Count
	77.9%	9.2%	12.9%	0.0%	100.0%	-% of Row
	2.3%	8.7%	51.6%	0.0%	2.8%	-% of Col
Employed Full-time	7,815	232	25	3	8,075	
	96.8%	2.9%	0.3%	0.0%	100.0%	
	92.4%	87.9%	40.3%	60.0%	91.9%	
Unemployed Seeking	138	4	3	0	145	
	95.2%	2.8%	2.1%	0.0%	100.0%	
	1.6%	1.5%	4.8%	0.0%	1.7%	
Unemployed Not Seeking	76	0	0	0	76	
	100.0%	0.0%	0.0%	0.0%	100.0%	
	0.9%	0.0%	0.0%	0.0%	0.9%	
Employed Part-time	147	2	0	0	149	
	98.7%	1.3%	0.0%	0.0%	100.0%	
	1.7%	0.8%	0.0%	0.0%	1.7%	
No Response	85	3	2	2	92	
	92.4%	3.3%	2.2%	2.2%	100.0%	
	1.0%	1.1%	3.2%	40.0%	1.0%	
TOTAL	8,455	264	62	5	8,786	
	96.2%	3.0%	0.7%	0.1%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.5.0

EMPLOYMENT STATUS OF CHEMISTS
by EMPLOYER TYPE
1984 Survey of ACS Members

EMPLOYMENT STATUS	EMPLOYER TYPE: Industry	Govern-ment	Other Non-Acad.	College/ Univ.	High School	No Response	TOTAL
Postdoctoral or Other Fellowship	8	21	19	192	0	9	249 -Count
	3.2%	8.4%	7.6%	77.1%	0.0%	3.6%	100.0% -% of Row
	0.2%	2.7%	3.9%	8.0%	0.0%	6.9%	2.8% -% of Col
Employed Full-time	4,675	720	410	2,077	90	103	8,075
	57.9%	8.9%	5.1%	25.7%	1.1%	1.3%	100.0%
	95.3%	93.3%	85.1%	86.5%	92.8%	78.6%	91.9%
Unemployed Seeking	89	2	10	31	2	11	145
	61.4%	1.4%	6.9%	21.4%	1.4%	7.6%	100.0%
	1.8%	0.3%	2.1%	1.3%	2.1%	8.4%	1.7%
Unemployed Not Seeking	46	8	6	12	1	3	76
	60.5%	10.5%	7.9%	15.8%	1.3%	3.9%	100.0%
	0.9%	1.0%	1.2%	0.5%	1.0%	2.3%	0.9%
Employed Part-time	42	13	28	61	4	1	149
	28.2%	8.7%	18.8%	40.9%	2.7%	0.7%	100.0%
	0.9%	1.7%	5.8%	2.5%	4.1%	0.8%	1.7%
No Response	44	8	9	27	0	4	92
	47.8%	8.7%	9.8%	29.3%	0.0%	4.3%	100.0%
	0.9%	1.0%	1.9%	1.1%	0.0%	3.1%	1.0%
TOTAL	4,904	772	482	2,400	97	131	8,786
	55.8%	8.8%	5.5%	27.3%	1.1%	1.5%	100.0%
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.5.1

EMPLOYMENT STATUS OF CHEMISTS
by NON-ACADEMIC EMPLOYER
1984 Survey of ACS Members

NON-ACADEMIC EMPLOYER

EMPLOYMENT STATUS	Mfg Chemical	Mfg Coatings	Mfg Food	Mfg Metals	Mfg Paper	Mfg Petro	Mfg Pharm	Mfg Rubber	Mfg Other	Non-Mfg	Federal Govt	State Local	Hospital	Non-Profit	Self-Employed	Other	TOTAL	
Postdoctoral or Other Fellowship	2	0	0	0	0	1	3	0	1	1	20	1	4	14	0	1	48	-Count
	4.2%	0.0%	0.0%	0.0%	0.0%	2.1%	6.3%	0.0%	2.1%	2.1%	41.7%	2.1%	8.3%	29.2%	0.0%	2.1%	100.0%	-% of Row
	0.1%	0.0%	0.0%	0.0%	0.0%	0.3%	0.4%	0.0%	0.1%	0.3%	3.5%	0.5%	3.0%	6.2%	0.0%	2.5%	0.8%	-% of Col
Employed Full-time	1,597	240	183	129	67	272	823	101	917	346	531	189	117	201	58	34	5,805	
	27.5%	4.1%	3.2%	2.2%	1.2%	4.7%	14.2%	1.7%	15.8%	6.0%	9.1%	3.3%	2.0%	3.5%	1.0%	0.6%	100.0%	
	96.0%	94.5%	95.3%	90.8%	97.1%	92.5%	96.9%	97.1%	94.9%	93.3%	92.0%	96.9%	88.6%	88.5%	69.9%	85.0%	94.3%	
Unemployed Seeking	20	6	4	7	1	7	8	1	22	13	2	0	4	4	1	1	101	
	19.8%	5.9%	4.0%	6.9%	1.0%	6.9%	7.9%	1.0%	21.8%	12.9%	2.0%	0.0%	4.0%	4.0%	1.0%	1.0%	100.0%	
	1.2%	2.4%	2.1%	4.9%	1.4%	2.4%	0.9%	1.0%	2.3%	3.5%	0.3%	0.0%	3.0%	1.8%	1.2%	2.5%	1.6%	
Unemployed Not Seeking	18	1	4	2	0	5	6	0	8	2	8	0	1	3	1	1	60	
	30.0%	1.7%	6.7%	3.3%	0.0%	8.3%	10.0%	0.0%	13.3%	3.3%	13.3%	0.0%	1.7%	5.0%	1.7%	1.7%	100.0%	
	1.1%	0.4%	2.1%	1.4%	0.0%	1.7%	0.7%	0.0%	0.8%	0.5%	1.4%	0.0%	0.8%	1.3%	1.2%	2.5%	1.0%	
Employed Part-time	12	4	1	1	0	5	3	1	9	6	9	4	4	4	18	2	83	
	14.5%	4.8%	1.2%	1.2%	0.0%	6.0%	3.6%	1.2%	10.8%	7.2%	10.8%	4.8%	4.8%	4.8%	21.7%	2.4%	100.0%	
	0.7%	1.6%	0.5%	0.7%	0.0%	1.7%	0.4%	1.0%	0.9%	1.6%	1.6%	2.1%	3.0%	1.8%	21.7%	5.0%	1.3%	
No Response	14	3	0	3	1	4	6	1	9	3	7	1	2	1	5	1	61	
	23.0%	4.9%	0.0%	4.9%	1.6%	6.6%	9.8%	1.6%	14.8%	4.9%	11.5%	1.6%	3.3%	1.6%	8.2%	1.6%	100.0%	
	0.8%	1.2%	0.0%	2.1%	1.4%	1.4%	0.7%	1.0%	0.9%	0.8%	1.2%	0.5%	1.5%	0.4%	6.0%	2.5%	1.0%	
TOTAL	1,663	254	192	142	69	294	849	104	966	371	577	195	132	227	83	40	6,158	
	27.0%	4.1%	3.1%	2.3%	1.1%	4.8%	13.8%	1.7%	15.7%	6.0%	9.4%	3.2%	2.1%	3.7%	1.3%	0.6%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.5.2

EMPLOYMENT STATUS OF CHEMISTS
by ACADEMIC EMPLOYER
1984 Survey of ACS Members

	ACADEMIC EMPLOYER									
EMPLOYMENT STATUS	Private Doctorate	Private Master	Private Bachelor	Private Assoc.	Public Doctor.	Public Master	Public Bachelor	Public Assoc.	TOTAL	
Postdoctoral or	83	2	2	0	101	2	1	1	192	-Count
Other Fellowship	43.2%	1.0%	1.0%	0.0%	52.6%	1.0%	0.5%	0.5%	100.0%	-% of Row
	15.3%	2.2%	0.7%	0.0%	10.6%	1.0%	0.6%	0.7%	8.0%	-% of Col
Employed	433	84	271	9	799	179	172	130	2,077	
Full-time	20.8%	4.0%	13.0%	0.4%	38.5%	8.6%	8.3%	6.3%	100.0%	
	79.9%	91.3%	95.1%	90.0%	84.0%	92.3%	95.0%	89.7%	86.5%	
Unemployed	7	4	2	0	12	3	0	3	31	
Seeking	22.6%	12.9%	6.5%	0.0%	38.7%	9.7%	0.0%	9.7%	100.0%	
	1.3%	4.3%	0.7%	0.0%	1.3%	1.5%	0.0%	2.1%	1.3%	
Unemployed	2	1	1	0	5	2	0	1	12	
Not Seeking	16.7%	8.3%	8.3%	0.0%	41.7%	16.7%	0.0%	8.3%	100.0%	
	0.4%	1.1%	0.4%	0.0%	0.5%	1.0%	0.0%	0.7%	0.5%	
Employed	12	0	6	1	22	8	5	7	61	
Part-time	19.7%	0.0%	9.8%	1.6%	36.1%	13.1%	8.2%	11.5%	100.0%	
	2.2%	0.0%	2.1%	10.0%	2.3%	4.1%	2.8%	4.8%	2.5%	
No Response	5	1	3	0	12	0	3	3	27	
	18.5%	3.7%	11.1%	0.0%	44.4%	0.0%	11.1%	11.1%	100.0%	
	0.9%	1.1%	1.1%	0.0%	1.3%	0.0%	1.7%	2.1%	1.1%	
TOTAL	542	92	285	10	951	194	181	145	2,400	
	22.6%	3.8%	11.9%	0.4%	39.6%	8.1%	7.5%	6.0%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.6.0

EMPLOYMENT STATUS OF CHEMISTS
by NON-ACADEMIC WORK FUNCTION
1984 Survey of ACS Members

NON-ACADEMIC WORK FUNCTION

EMPLOYMENT STATUS	Mgt R&D	Basic R&D	Applied R&D	Mgt Non-R&D	Market-ing	Prod & QC	Forensic	Writing/ Editing	Data Proc	Consult-ing	Other	No Response	TOTAL
Postdoctoral or Other Fellowship	0	35	10	0	0	1	0	0	0	0	0	2	48 -Count
	0.0%	72.9%	20.8%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	100.0% -% of Row
	0.0%	3.6%	0.5%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	0.8% -% of Col
Employed Full-time	978	903	1,853	331	355	591	317	72	20	102	214	69	5,805
	16.8%	15.6%	31.9%	5.7%	6.1%	10.2%	5.5%	1.2%	0.3%	1.8%	3.7%	1.2%	100.0%
	96.2%	93.3%	95.4%	95.7%	94.4%	93.5%	96.4%	87.8%	90.9%	73.9%	92.6%	92.0%	94.3%
Unemployed Seeking	14	7	37	5	7	15	3	0	0	5	6	2	101
	13.9%	6.9%	36.6%	5.0%	6.9%	14.9%	3.0%	0.0%	0.0%	5.0%	5.9%	2.0%	100.0%
	1.4%	0.7%	1.9%	1.4%	1.9%	2.4%	0.9%	0.0%	0.0%	3.6%	2.6%	2.7%	1.6%
Unemployed Not Seeking	8	11	9	4	6	9	3	5	0	3	2	0	60
	13.3%	18.3%	15.0%	6.7%	10.0%	15.0%	5.0%	8.3%	0.0%	5.0%	3.3%	0.0%	100.0%
	0.8%	1.1%	0.5%	1.2%	1.6%	1.4%	0.9%	6.1%	0.0%	2.2%	0.9%	0.0%	1.0%
Employed Part-time	8	8	16	3	4	7	2	3	2	25	4	1	83
	9.6%	9.6%	19.3%	3.6%	4.8%	8.4%	2.4%	3.6%	2.4%	30.1%	4.8%	1.2%	100.0%
	0.8%	0.8%	0.8%	0.9%	1.1%	1.1%	0.6%	3.7%	9.1%	18.1%	1.7%	1.3%	1.3%
No Response	9	4	17	3	4	9	4	2	0	3	5	1	61
	14.8%	6.6%	27.9%	4.9%	6.6%	14.8%	6.6%	3.3%	0.0%	4.9%	8.2%	1.6%	100.0%
	0.9%	0.4%	0.9%	0.9%	1.1%	1.4%	1.2%	2.4%	0.0%	2.2%	2.2%	1.3%	1.0%
TOTAL	1,017	968	1,942	346	376	632	329	82	22	138	231	75	6,158
	16.5%	15.7%	31.5%	5.6%	6.1%	10.3%	5.3%	1.3%	0.4%	2.2%	3.8%	1.2%	100.0%
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 8.7.0

EMPLOYMENT STATUS OF CHEMISTS
by WORK SPECIALTY
1984 Survey of ACS Members

WORK SPECIALTY

EMPLOYMENT STATUS	Biochem	Agri/ Food	Analy- tical	Environ- mental	Organic	In- organic	Pharm/ Med/Clin	Physical	Theorit- ical	Polymer/ Macro	Other Chem	TOTAL	
Postdoctoral or	64	0	13	8	63	32	19	29	5	9	7	249	-Count
Other Fellowship	25.7%	0.0%	5.2%	3.2%	25.3%	12.9%	7.6%	11.6%	2.0%	3.6%	2.8%	100.0%	-% of Row
	8.8%	0.0%	0.7%	1.4%	4.2%	5.2%	2.5%	4.4%	8.6%	0.9%	1.0%	2.8%	-% of Col
Employed	631	375	1,717	523	1,355	548	693	604	52	952	625	8,075	
Full-time	7.8%	4.6%	21.3%	6.5%	16.8%	6.8%	8.6%	7.5%	0.6%	11.8%	7.7%	100.0%	
	86.6%	95.9%	94.2%	92.7%	90.5%	88.7%	92.3%	90.8%	89.7%	95.0%	91.0%	91.9%	
Unemployed	6	5	37	11	22	12	11	10	0	14	17	145	
Seeking	4.1%	3.4%	25.5%	7.6%	15.2%	8.3%	7.6%	6.9%	0.0%	9.7%	11.7%	100.0%	
	0.8%	1.3%	2.0%	2.0%	1.5%	1.9%	1.5%	1.5%	0.0%	1.4%	2.5%	1.7%	
Unemployed	5	4	14	4	14	8	9	4	0	5	9	76	
Not Seeking	6.6%	5.3%	18.4%	5.3%	18.4%	10.5%	11.8%	5.3%	0.0%	6.6%	11.8%	100.0%	
	0.7%	1.0%	0.8%	0.7%	0.9%	1.3%	1.2%	0.6%	0.0%	0.5%	1.3%	0.9%	
Employed	15	7	20	14	23	15	7	13	1	16	18	149	
Part-time	10.1%	4.7%	13.4%	9.4%	15.4%	10.1%	4.7%	8.7%	0.7%	10.7%	12.1%	100.0%	
	2.1%	1.8%	1.1%	2.5%	1.5%	2.4%	0.9%	2.0%	1.7%	1.6%	2.6%	1.7%	
No Response	8	0	22	4	21	3	12	5	0	6	11	92	
	8.7%	0.0%	23.9%	4.3%	22.8%	3.3%	13.0%	5.4%	0.0%	6.5%	12.0%	100.0%	
	1.1%	0.0%	1.2%	0.7%	1.4%	0.5%	1.6%	0.8%	0.0%	0.6%	1.6%	1.0%	
TOTAL	729	391	1,823	564	1,498	618	751	665	58	1,002	687	8,786	
	8.3%	4.5%	20.7%	6.4%	17.0%	7.0%	8.5%	7.6%	0.7%	11.4%	7.8%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 8.8.0

EMPLOYMENT STATUS OF CHEMISTS
by GEOGRAPHIC REGION
1984 Survey of ACS Members

EMPLOYMENT STATUS	REGION											
	Pacific	Mountain	W.N. Central	W.S. Central	E.N. Central	E.S. Central	Mid-Atlan.	So. Atlan.	New England	No Response	TOTAL	
Postdoctoral or Other Fellowship	33	13	12	14	40	8	40	30	23	36	249	-Count
	13.3%	5.2%	4.8%	5.6%	16.1%	3.2%	16.1%	12.0%	9.2%	14.5%	100.0%	-% of Row
	4.2%	5.2%	2.7%	2.3%	2.5%	3.4%	2.3%	2.8%	4.9%	2.4%	2.8%	-% of Col
Employed Full-time	696	218	422	568	1,506	218	1,635	1,005	416	1,391	8,075	
	8.6%	2.7%	5.2%	7.0%	18.7%	2.7%	20.2%	12.4%	5.2%	17.2%	100.0%	
	87.9%	87.9%	94.4%	92.1%	93.5%	92.0%	92.8%	92.2%	88.1%	92.1%	91.9%	
Unemployed Seeking	15	4	3	11	20	5	36	19	7	25	145	
	10.3%	2.8%	2.1%	7.6%	13.8%	3.4%	24.8%	13.1%	4.8%	17.2%	100.0%	
	1.9%	1.6%	0.7%	1.8%	1.2%	2.1%	2.0%	1.7%	1.5%	1.7%	1.7%	
Unemployed Not Seeking	13	3	2	6	13	1	15	11	5	7	76	
	17.1%	3.9%	2.6%	7.9%	17.1%	1.3%	19.7%	14.5%	6.6%	9.2%	100.0%	
	1.6%	1.2%	0.4%	1.0%	0.8%	0.4%	0.9%	1.0%	1.1%	0.5%	0.9%	
Employed Part-time	23	5	6	9	17	4	22	15	18	30	149	
	15.4%	3.4%	4.0%	6.0%	11.4%	2.7%	14.8%	10.1%	12.1%	20.1%	100.0%	
	2.9%	2.0%	1.3%	1.5%	1.1%	1.7%	1.2%	1.4%	3.8%	2.0%	1.7%	
No Response	12	5	2	9	15	1	14	10	3	21	92	
	13.0%	5.4%	2.2%	9.8%	16.3%	1.1%	15.2%	10.9%	3.3%	22.8%	100.0%	
	1.5%	2.0%	0.4%	1.5%	0.9%	0.4%	0.8%	0.9%	0.6%	1.4%	1.0%	
TOTAL	792	248	447	617	1,611	237	1,762	1,090	472	1,510	8,786	
	9.0%	2.8%	5.1%	7.0%	18.3%	2.7%	20.1%	12.4%	5.4%	17.2%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 9.1.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1984
by HIGHEST DEGREE
1984 Survey of ACS Members

	HIGHEST DEGREE				
MONTHS UNEMPLOYED	Bachelors	Masters	Doctorate	No Response	TOTAL
0-1	6 26.1% 13.0%	7 30.4% 20.0%	10 43.5% 17.2%	0 0.0% 0.0%	23 -Count 100.0% -% of Row 15.9% -% of Col
2-4	13 38.2% 28.3%	8 23.5% 22.9%	12 35.3% 20.7%	1 2.9% 16.7%	34 100.0% 23.4%
5-7	5 20.8% 10.9%	7 29.2% 20.0%	12 50.0% 20.7%	0 0.0% 0.0%	24 100.0% 16.6%
8-10	8 42.1% 17.4%	3 15.8% 8.6%	7 36.8% 12.1%	1 5.3% 16.7%	19 100.0% 13.1%
11-13	3 27.3% 6.5%	1 9.1% 2.9%	5 45.5% 8.6%	2 18.2% 33.3%	11 100.0% 7.6%
14-18	6 42.9% 13.0%	3 21.4% 8.6%	4 28.6% 6.9%	1 7.1% 16.7%	14 100.0% 9.7%
19-24	3 37.5% 6.5%	2 25.0% 5.7%	2 25.0% 3.4%	1 12.5% 16.7%	8 100.0% 5.5%
25-36	2 20.0% 4.3%	4 40.0% 11.4%	4 40.0% 6.9%	0 0.0% 0.0%	10 100.0% 6.9%
>=37	0 0.0% 0.0%	0 0.0% 0.0%	2 100.0% 3.4%	0 0.0% 0.0%	2 100.0% 1.4%
TOTAL	46 31.7% 100.0%	35 24.1% 100.0%	58 40.0% 100.0%	6 4.1% 100.0%	145 100.0% 100.0%

Table 9.1.1

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1984
by HIGHEST DEGREE - MEN Only
1984 Survey of ACS Members

	HIGHEST DEGREE				
MONTHS UNEMPLOYED	Bachelors	Masters	Doctorate	No Response	TOTAL
0-1	5	6	9	0	20 -Count
	25.0%	30.0%	45.0%	0.0%	100.0% -% of Row
	16.7%	22.2%	18.4%	0.0%	17.9% -% of Col
2-4	5	6	9	1	21
	23.8%	28.6%	42.9%	4.8%	100.0%
	16.7%	22.2%	18.4%	16.7%	18.8%
5-7	3	5	10	0	18
	16.7%	27.8%	55.6%	0.0%	100.0%
	10.0%	18.5%	20.4%	0.0%	16.1%
8-10	7	3	5	1	16
	43.8%	18.8%	31.3%	6.3%	100.0%
	23.3%	11.1%	10.2%	16.7%	14.3%
11-13	3	0	5	2	10
	30.0%	0.0%	50.0%	20.0%	100.0%
	10.0%	0.0%	10.2%	33.3%	8.9%
14-18	4	2	4	1	11
	36.4%	18.2%	36.4%	9.1%	100.0%
	13.3%	7.4%	8.2%	16.7%	9.8%
19-24	2	2	2	1	7
	28.6%	28.6%	28.6%	14.3%	100.0%
	6.7%	7.4%	4.1%	16.7%	6.3%
25-36	1	3	3	0	7
	14.3%	42.9%	42.9%	0.0%	100.0%
	3.3%	11.1%	6.1%	0.0%	6.3%
>=37	0	0	2	0	2
	0.0%	0.0%	100.0%	0.0%	100.0%
	0.0%	0.0%	4.1%	0.0%	1.8%
TOTAL	30	27	49	6	112
	26.8%	24.1%	43.8%	5.4%	100.0%
	100.0%	100.0%	100.0%	100.0%	100.0%

Table 9.1.2

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1984
by HIGHEST DEGREE - WOMEN Only
1984 Survey of ACS Members

	HIGHEST DEGREE				
MONTHS UNEMPLOYED	Bachelors	Masters	Doctorate	No Response	TOTAL
0-1	1	1	1	0	3 -Count
	33.3%	33.3%	33.3%	0.0%	100.0% -% of Row
	6.3%	12.5%	12.5%	***.*%	9.4% -% of Col
2-4	8	2	3	0	13
	61.5%	15.4%	23.1%	0.0%	100.0%
	50.0%	25.0%	37.5%	***.*%	40.6%
5-7	2	2	2	0	6
	33.3%	33.3%	33.3%	0.0%	100.0%
	12.5%	25.0%	25.0%	***.*%	18.8%
8-10	1	0	2	0	3
	33.3%	0.0%	66.7%	0.0%	100.0%
	6.3%	0.0%	25.0%	***.*%	9.4%
11-13	0	1	0	0	1
	0.0%	100.0%	0.0%	0.0%	100.0%
	0.0%	12.5%	0.0%	***.*%	3.1%
14-18	2	1	0	0	3
	66.7%	33.3%	0.0%	0.0%	100.0%
	12.5%	12.5%	0.0%	***.*%	9.4%
19-24	1	0	0	0	1
	100.0%	0.0%	0.0%	0.0%	100.0%
	6.3%	0.0%	0.0%	***.*%	3.1%
25-36	1	1	0	0	2
	50.0%	50.0%	0.0%	0.0%	100.0%
	6.3%	12.5%	0.0%	***.*%	6.3%
>=37	0	0	0	0	0
	***.*%	***.*%	***.*%	***.*%	***.*%
	0.0%	0.0%	0.0%	***.*%	0.0%
TOTAL	16	8	8	0	32
	50.0%	25.0%	25.0%	0.0%	100.0%
	100.0%	100.0%	100.0%	***.*%	100.0%

Table 9.2.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1984
by AGE LEVEL
1984 Survey of ACS Members

	AGE LEVEL												
MONTHS UNEMPLOYED	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	>=70	No Respo	TOTAL
0-1	0	2	4	2	3	6	1	3	0	0	0	2	23 -Count
	0.0%	8.7%	17.4%	8.7%	13.0%	26.1%	4.3%	13.0%	0.0%	0.0%	0.0%	8.7%	100.0% -% of Row
	0.0%	10.0%	18.2%	12.5%	23.1%	35.3%	12.5%	15.0%	0.0%	***.*%	***.*%	25.0%	15.9% -% of Col
2-4	5	8	7	1	2	2	3	0	3	0	0	3	34
	14.7%	23.5%	20.6%	2.9%	5.9%	5.9%	8.8%	0.0%	8.8%	0.0%	0.0%	8.8%	100.0%
	55.6%	40.0%	31.8%	6.3%	15.4%	11.8%	37.5%	0.0%	25.0%	***.*%	***.*%	37.5%	23.4%
5-7	2	2	3	4	3	2	1	5	2	0	0	0	24
	8.3%	8.3%	12.5%	16.7%	12.5%	8.3%	4.2%	20.8%	8.3%	0.0%	0.0%	0.0%	100.0%
	22.2%	10.0%	13.6%	25.0%	23.1%	11.8%	12.5%	25.0%	16.7%	***.*%	***.*%	0.0%	16.6%
8-10	1	4	3	4	1	0	0	4	2	0	0	0	19
	5.3%	21.1%	15.8%	21.1%	5.3%	0.0%	0.0%	21.1%	10.5%	0.0%	0.0%	0.0%	100.0%
	11.1%	20.0%	13.6%	25.0%	7.7%	0.0%	0.0%	20.0%	16.7%	***.*%	***.*%	0.0%	13.1%
11-13	0	1	0	2	1	3	0	2	1	0	0	1	11
	0.0%	9.1%	0.0%	18.2%	9.1%	27.3%	0.0%	18.2%	9.1%	0.0%	0.0%	9.1%	100.0%
	0.0%	5.0%	0.0%	12.5%	7.7%	17.6%	0.0%	10.0%	8.3%	***.*%	***.*%	12.5%	7.6%
14-18	0	1	4	0	3	1	1	3	0	0	0	1	14
	0.0%	7.1%	28.6%	0.0%	21.4%	7.1%	7.1%	21.4%	0.0%	0.0%	0.0%	7.1%	100.0%
	0.0%	5.0%	18.2%	0.0%	23.1%	5.9%	12.5%	15.0%	0.0%	***.*%	***.*%	12.5%	9.7%
19-24	1	1	1	1	0	1	0	1	1	0	0	1	8
	12.5%	12.5%	12.5%	12.5%	0.0%	12.5%	0.0%	12.5%	12.5%	0.0%	0.0%	12.5%	100.0%
	11.1%	5.0%	4.5%	6.3%	0.0%	5.9%	0.0%	5.0%	8.3%	***.*%	***.*%	12.5%	5.5%
25-36	0	1	0	2	0	1	2	2	2	0	0	0	10
	0.0%	10.0%	0.0%	20.0%	0.0%	10.0%	20.0%	20.0%	20.0%	0.0%	0.0%	0.0%	100.0%
	0.0%	5.0%	0.0%	12.5%	0.0%	5.9%	25.0%	10.0%	16.7%	***.*%	***.*%	0.0%	6.9%
>=37	0	0	0	0	0	1	0	0	1	0	0	0	2
	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	100.0%
	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	0.0%	0.0%	8.3%	***.*%	***.*%	0.0%	1.4%
TOTAL	9	20	22	16	13	17	8	20	12	0	0	8	145
	6.2%	13.8%	15.2%	11.0%	9.0%	11.7%	5.5%	13.8%	8.3%	0.0%	0.0%	5.5%	100.0%
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	***.*%	***.*%	100.0%	100.0%

Table 9.3.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1984
by NON-ACADEMIC WORK FUNCTION
1984 Survey of ACS Members

NON-ACADEMIC WORK FUNCTION

MONTHS UNEMPLOYED	Mgt R&D	Basic R&D	Applied R&D	Mgt Non-R&D	Market-ing	Prod & QC	Forensic	Writing/ Editing	Data Proc	Consult-ing	Other	No Response	TOTAL	
0-1	4	0	6	0	1	2	1	0	0	3	3	3	23	-Count
	17.4%	0.0%	26.1%	0.0%	4.3%	8.7%	4.3%	0.0%	0.0%	13.0%	13.0%	13.0%	100.0%	-% of Row
	25.0%	0.0%	15.8%	0.0%	14.3%	13.3%	25.0%	0.0%	***.*%	42.9%	50.0%	7.9%	15.9%	-% of Col
2-4	2	3	9	1	4	4	1	0	0	1	0	9	34	
	5.9%	8.8%	26.5%	2.9%	11.8%	11.8%	2.9%	0.0%	0.0%	2.9%	0.0%	26.5%	100.0%	
	12.5%	37.5%	23.7%	20.0%	57.1%	26.7%	25.0%	0.0%	***.*%	14.3%	0.0%	23.7%	23.4%	
5-7	4	2	4	1	1	4	0	0	0	1	0	7	24	
	16.7%	8.3%	16.7%	4.2%	4.2%	16.7%	0.0%	0.0%	0.0%	4.2%	0.0%	29.2%	100.0%	
	25.0%	25.0%	10.5%	20.0%	14.3%	26.7%	0.0%	0.0%	***.*%	14.3%	0.0%	18.4%	16.6%	
8-10	1	2	3	0	0	2	0	0	0	0	2	9	19	
	5.3%	10.5%	15.8%	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	10.5%	47.4%	100.0%	
	6.3%	25.0%	7.9%	0.0%	0.0%	13.3%	0.0%	0.0%	***.*%	0.0%	33.3%	23.7%	13.1%	
11-13	2	0	4	1	0	1	0	0	0	0	0	3	11	
	18.2%	0.0%	36.4%	9.1%	0.0%	9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	27.3%	100.0%	
	12.5%	0.0%	10.5%	20.0%	0.0%	6.7%	0.0%	0.0%	***.*%	0.0%	0.0%	7.9%	7.6%	
14-18	2	1	4	1	1	2	1	0	0	1	0	1	14	
	14.3%	7.1%	28.6%	7.1%	7.1%	14.3%	7.1%	0.0%	0.0%	7.1%	0.0%	7.1%	100.0%	
	12.5%	12.5%	10.5%	20.0%	14.3%	13.3%	25.0%	0.0%	***.*%	14.3%	0.0%	2.6%	9.7%	
19-24	0	0	4	0	0	0	0	0	0	0	1	3	8	
	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	37.5%	100.0%	
	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	***.*%	0.0%	16.7%	7.9%	5.5%	
25-36	1	0	3	1	0	0	1	1	0	1	0	2	10	
	10.0%	0.0%	30.0%	10.0%	0.0%	0.0%	10.0%	10.0%	0.0%	10.0%	0.0%	20.0%	100.0%	
	6.3%	0.0%	7.9%	20.0%	0.0%	0.0%	25.0%	100.0%	***.*%	14.3%	0.0%	5.3%	6.9%	
>=37	0	0	1	0	0	0	0	0	0	0	0	1	2	
	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	50.0%	100.0%	
	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	***.*%	0.0%	0.0%	2.6%	1.4%	
TOTAL	16	8	38	5	7	15	4	1	0	7	6	38	145	
	11.0%	5.5%	26.2%	3.4%	4.8%	10.3%	2.8%	0.7%	0.0%	4.8%	4.1%	26.2%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	***.*%	100.0%	100.0%	100.0%	100.0%	

Table 9.4.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1984
by WORK SPECIALTY
1984 Survey of ACS Members

SPECIALTY

MONTHS UNEMPLOYED	Biochem	Agric/ Food	Analy- tical	Environ- mental	Organic	In- organic	Pharm/ Med/Clin	Physical	Theoret- ical	Polymer/ Macro	Other	TOTAL	
0-1	1	3	4	4	2	1	1	1	0	1	5	23	-Count
	4.3%	13.0%	17.4%	17.4%	8.7%	4.3%	4.3%	4.3%	0.0%	4.3%	21.7%	100.0%	-% of Row
	16.7%	60.0%	10.8%	36.4%	9.1%	8.3%	9.1%	10.0%	***.*%	7.1%	29.4%	15.9%	-% of Col
2-4	2	0	11	2	4	5	4	2	0	2	2	34	
	5.9%	0.0%	32.4%	5.9%	11.8%	14.7%	11.8%	5.9%	0.0%	5.9%	5.9%	100.0%	
	33.3%	0.0%	29.7%	18.2%	18.2%	41.7%	36.4%	20.0%	***.*%	14.3%	11.8%	23.4%	
5-7	2	1	4	1	4	2	1	2	0	2	5	24	
	8.3%	4.2%	16.7%	4.2%	16.7%	8.3%	4.2%	8.3%	0.0%	8.3%	20.8%	100.0%	
	33.3%	20.0%	10.8%	9.1%	18.2%	16.7%	9.1%	20.0%	***.*%	14.3%	29.4%	16.6%	
8-10	0	0	6	1	2	4	2	1	0	2	1	19	
	0.0%	0.0%	31.6%	5.3%	10.5%	21.1%	10.5%	5.3%	0.0%	10.5%	5.3%	100.0%	
	0.0%	0.0%	16.2%	9.1%	9.1%	33.3%	18.2%	10.0%	***.*%	14.3%	5.9%	13.1%	
11-13	0	0	3	1	3	0	1	1	0	1	1	11	
	0.0%	0.0%	27.3%	9.1%	27.3%	0.0%	9.1%	9.1%	0.0%	9.1%	9.1%	100.0%	
	0.0%	0.0%	8.1%	9.1%	13.6%	0.0%	9.1%	10.0%	***.*%	7.1%	5.9%	7.6%	
14-18	0	1	4	2	3	0	0	2	0	2	0	14	
	0.0%	7.1%	28.6%	14.3%	21.4%	0.0%	0.0%	14.3%	0.0%	14.3%	0.0%	100.0%	
	0.0%	20.0%	10.8%	18.2%	13.6%	0.0%	0.0%	20.0%	***.*%	14.3%	0.0%	9.7%	
19-24	0	0	2	0	0	0	1	1	0	3	1	8	
	0.0%	0.0%	25.0%	0.0%	0.0%	0.0%	12.5%	12.5%	0.0%	37.5%	12.5%	100.0%	
	0.0%	0.0%	5.4%	0.0%	0.0%	0.0%	9.1%	10.0%	***.*%	21.4%	5.9%	5.5%	
25-36	0	0	3	0	3	0	1	0	0	1	2	10	
	0.0%	0.0%	30.0%	0.0%	30.0%	0.0%	10.0%	0.0%	0.0%	10.0%	20.0%	100.0%	
	0.0%	0.0%	8.1%	0.0%	13.6%	0.0%	9.1%	0.0%	***.*%	7.1%	11.8%	6.9%	
>=37	1	0	0	0	1	0	0	0	0	0	0	2	
	50.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	
	16.7%	0.0%	0.0%	0.0%	4.5%	0.0%	0.0%	0.0%	***.*%	0.0%	0.0%	1.4%	
TOTAL	6	5	37	11	22	12	11	10	0	14	17	145	
	4.1%	3.4%	25.5%	7.6%	15.2%	8.3%	7.6%	6.9%	0.0%	9.7%	11.7%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	***.*%	100.0%	100.0%	100.0%	

Table 9.5.0

LENGTH of UNEMPLOYMENT of CHEMISTS UNEMPLOYED on MARCH 1, 1984
by GEOGRAPHIC REGION
1984 Survey of ACS Members

MONTHS UNEMPLOYED	REGION											
	Pacific	Mountain	W.N. Central	W.S. Central	E.N. Central	E.S. Central	Mid-Atlan.	South Atlan.	New England	No Response	TOTAL	
0-1	2	0	0	3	4	0	5	2	0	7	23	-Count
	8.7%	0.0%	0.0%	13.0%	17.4%	0.0%	21.7%	8.7%	0.0%	30.4%	100.0%	-% of Row
	13.3%	0.0%	0.0%	27.3%	20.0%	0.0%	13.9%	10.5%	0.0%	28.0%	15.9%	-% of Col
2-4	6	1	0	1	5	2	8	7	2	2	34	
	17.6%	2.9%	0.0%	2.9%	14.7%	5.9%	23.5%	20.6%	5.9%	5.9%	100.0%	
	40.0%	25.0%	0.0%	9.1%	25.0%	40.0%	22.2%	36.8%	28.6%	8.0%	23.4%	
5-7	2	1	2	1	2	0	3	4	4	5	24	
	8.3%	4.2%	8.3%	4.2%	8.3%	0.0%	12.5%	16.7%	16.7%	20.8%	100.0%	
	13.3%	25.0%	66.7%	9.1%	10.0%	0.0%	8.3%	21.1%	57.1%	20.0%	16.6%	
8-10	3	1	0	2	2	0	5	2	0	4	19	
	15.8%	5.3%	0.0%	10.5%	10.5%	0.0%	26.3%	10.5%	0.0%	21.1%	100.0%	
	20.0%	25.0%	0.0%	18.2%	10.0%	0.0%	13.9%	10.5%	0.0%	16.0%	13.1%	
11-13	0	0	1	2	2	0	3	1	0	2	11	
	0.0%	0.0%	9.1%	18.2%	18.2%	0.0%	27.3%	9.1%	0.0%	18.2%	100.0%	
	0.0%	0.0%	33.3%	18.2%	10.0%	0.0%	8.3%	5.3%	0.0%	8.0%	7.6%	
14-18	1	0	0	1	0	2	8	1	0	1	14	
	7.1%	0.0%	0.0%	7.1%	0.0%	14.3%	57.1%	7.1%	0.0%	7.1%	100.0%	
	6.7%	0.0%	0.0%	9.1%	0.0%	40.0%	22.2%	5.3%	0.0%	4.0%	9.7%	
19-24	0	1	0	0	1	1	2	1	0	2	8	
	0.0%	12.5%	0.0%	0.0%	12.5%	12.5%	25.0%	12.5%	0.0%	25.0%	100.0%	
	0.0%	25.0%	0.0%	0.0%	5.0%	20.0%	5.6%	5.3%	0.0%	8.0%	5.5%	
25-36	1	0	0	1	3	0	2	1	1	1	10	
	10.0%	0.0%	0.0%	10.0%	30.0%	0.0%	20.0%	10.0%	10.0%	10.0%	100.0%	
	6.7%	0.0%	0.0%	9.1%	15.0%	0.0%	5.6%	5.3%	14.3%	4.0%	6.9%	
>=37	0	0	0	0	1	0	0	0	0	1	2	
	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	0.0%	50.0%	100.0%	
	0.0%	0.0%	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	4.0%	1.4%	
TOTAL	15	4	3	11	20	5	36	19	7	25	145	
	10.3%	2.8%	2.1%	7.6%	13.8%	3.4%	24.8%	13.1%	4.8%	17.2%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.1.0

RESPONDENTS by SEX and DEGREE
1984 Survey of ACS Members

	HIGHEST DEGREE					
SEX	Bachelors	Masters	Doctorate	No Response	TOTAL	
Men	2,114	1,658	4,780	293	8,845	-Count
	23.9%	18.7%	54.0%	3.3%	100.0%	-% of Row
	77.7%	78.2%	87.4%	86.7%	83.1%	-% of Col
Women	534	398	482	23	1,437	
	37.2%	27.7%	33.5%	1.6%	100.0%	
	19.6%	18.8%	8.8%	6.8%	13.5%	
No Response	72	64	204	22	362	
	19.9%	17.7%	56.4%	6.1%	100.0%	
	2.6%	3.0%	3.7%	6.5%	3.4%	
TOTAL	2,720	2,120	5,466	338	10,644	
	25.6%	19.9%	51.4%	3.2%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.2.0

RESPONDENTS by AGE and HIGHEST DEGREE
1984 Survey of ACS Members

	HIGHEST DEGREE				
AGE LEVEL	Bachelors	Masters	Doctorate	No Response	TOTAL
20-24	197	13	2	8	220 -Count
	89.5%	5.9%	0.9%	3.6%	100.0% -% of Row
	7.2%	0.6%	0.0%	2.4%	2.1% -% of Col
25-29	532	244	363	26	1,165
	45.7%	20.9%	31.2%	2.2%	100.0%
	19.6%	11.5%	6.6%	7.7%	10.9%
30-34	438	346	760	30	1,574
	27.8%	22.0%	48.3%	1.9%	100.0%
	16.1%	16.3%	13.9%	8.9%	14.8%
35-39	248	349	848	38	1,483
	16.7%	23.5%	57.2%	2.6%	100.0%
	9.1%	16.5%	15.5%	11.2%	13.9%
40-44	226	256	878	52	1,412
	16.0%	18.1%	62.2%	3.7%	100.0%
	8.3%	12.1%	16.1%	15.4%	13.3%
45-49	183	177	691	31	1,082
	16.9%	16.4%	63.9%	2.9%	100.0%
	6.7%	8.3%	12.6%	9.2%	10.2%
50-54	217	186	612	39	1,054
	20.6%	17.6%	58.1%	3.7%	100.0%
	8.0%	8.8%	11.2%	11.5%	9.9%
55-59	265	235	469	36	1,005
	26.4%	23.4%	46.7%	3.6%	100.0%
	9.7%	11.1%	8.6%	10.7%	9.4%
60-64	212	141	377	28	758
	28.0%	18.6%	49.7%	3.7%	100.0%
	7.8%	6.7%	6.9%	8.3%	7.1%
65-69	54	36	106	8	204
	26.5%	17.6%	52.0%	3.9%	100.0%
	2.0%	1.7%	1.9%	2.4%	1.9%
>=70	1	1	2	3	7
	14.3%	14.3%	28.6%	42.9%	100.0%
	0.0%	0.0%	0.0%	0.9%	0.1%
No Response	147	136	358	39	680
	21.6%	20.0%	52.6%	5.7%	100.0%
	5.4%	6.4%	6.5%	11.5%	6.4%
TOTAL	2,720	2,120	5,466	338	10,644
	25.6%	19.9%	51.4%	3.2%	100.0%
	100.0%	100.0%	100.0%	100.0%	100.0%

Table 10.2.1

RESPONDENTS by AGE and HIGHEST DEGREE - MEN Only
1984 Survey of ACS Members

	HIGHEST DEGREE				
AGE LEVEL	Bachelors	Masters	Doctorate	No Response	TOTAL
20-24	113 92.6% 5.3%	6 4.9% 0.4%	0 0.0% 0.0%	3 2.5% 1.0%	122 -Count 100.0% -% of Row 1.4% -% of Col
25-29	349 42.5% 16.5%	161 19.6% 9.7%	293 35.6% 6.1%	19 2.3% 6.5%	822 100.0% 9.3%
30-34	336 26.7% 15.9%	254 20.2% 15.3%	641 50.9% 13.4%	29 2.3% 9.9%	1,260 100.0% 14.2%
35-39	193 15.8% 9.1%	274 22.4% 16.5%	720 58.9% 15.1%	35 2.9% 11.9%	1,222 100.0% 13.8%
40-44	180 15.0% 8.5%	197 16.4% 11.9%	781 64.9% 16.3%	46 3.8% 15.7%	1,204 100.0% 13.6%
45-49	155 16.4% 7.3%	140 14.8% 8.4%	621 65.8% 13.0%	28 3.0% 9.6%	944 100.0% 10.7%
50-54	187 20.2% 8.8%	157 17.0% 9.5%	545 58.9% 11.4%	36 3.9% 12.3%	925 100.0% 10.5%
55-59	233 26.0% 11.0%	207 23.1% 12.5%	425 47.4% 8.9%	31 3.5% 10.6%	896 100.0% 10.1%
60-64	189 28.0% 8.9%	123 18.2% 7.4%	341 50.4% 7.1%	23 3.4% 7.8%	676 100.0% 7.6%
65-69	53 29.8% 2.5%	27 15.2% 1.6%	92 51.7% 1.9%	6 3.4% 2.0%	178 100.0% 2.0%
>=70	0 0.0% 0.0%	1 16.7% 0.1%	2 33.3% 0.0%	3 50.0% 1.0%	6 100.0% 0.1%
No Response	126 21.4% 6.0%	111 18.8% 6.7%	319 54.1% 6.7%	34 5.8% 11.6%	590 100.0% 6.7%
TOTAL	2,114 23.9% 100.0%	1,658 18.7% 100.0%	4,780 54.0% 100.0%	293 3.3% 100.0%	8,845 100.0% 100.0%

Table 10.2.2

RESPONDENTS by AGE and HIGHEST DEGREE - WOMEN Only
1984 Survey of ACS Members

	HIGHEST DEGREE					
AGE LEVEL	Bachelors	Masters	Doctorate	No Response	TOTAL	
20-24	82	7	1	5	95	-Count
	86.3%	7.4%	1.1%	5.3%	100.0%	-% of Row
	15.4%	1.8%	0.2%	21.7%	6.6%	-% of Col
25-29	176	79	63	5	323	
	54.5%	24.5%	19.5%	1.5%	100.0%	
	33.0%	19.8%	13.1%	21.7%	22.5%	
30-34	91	86	106	1	284	
	32.0%	30.3%	37.3%	0.4%	100.0%	
	17.0%	21.6%	22.0%	4.3%	19.8%	
35-39	48	64	104	3	219	
	21.9%	29.2%	47.5%	1.4%	100.0%	
	9.0%	16.1%	21.6%	13.0%	15.2%	
40-44	38	54	65	3	160	
	23.8%	33.8%	40.6%	1.9%	100.0%	
	7.1%	13.6%	13.5%	13.0%	11.1%	
45-49	23	30	39	1	93	
	24.7%	32.3%	41.9%	1.1%	100.0%	
	4.3%	7.5%	8.1%	4.3%	6.5%	
50-54	20	23	30	1	74	
	27.0%	31.1%	40.5%	1.4%	100.0%	
	3.7%	5.8%	6.2%	4.3%	5.1%	
55-59	26	16	22	2	66	
	39.4%	24.2%	33.3%	3.0%	100.0%	
	4.9%	4.0%	4.6%	8.7%	4.6%	
60-64	11	11	14	1	37	
	29.7%	29.7%	37.8%	2.7%	100.0%	
	2.1%	2.8%	2.9%	4.3%	2.6%	
65-69	0	6	5	0	11	
	0.0%	54.5%	45.5%	0.0%	100.0%	
	0.0%	1.5%	1.0%	0.0%	0.8%	
>=70	0	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	0.0%	0.0%	0.0%	
No Response	19	22	33	1	75	
	25.3%	29.3%	44.0%	1.3%	100.0%	
	3.6%	5.5%	6.8%	4.3%	5.2%	
TOTAL	534	398	482	23	1,437	
	37.2%	27.7%	33.5%	1.6%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.3.0

RESPONDENTS by WORK SPECIALTY and HIGHEST DEGREE
1984 Survey of ACS Members

SPECIALTY	HIGHEST DEGREE Bachelors	Masters	Doctorate	No Response	TOTAL	
Chemical Engineering	308	254	347	27	936	-Count
	32.9%	27.1%	37.1%	2.9%	100.0%	-% of Row
	11.3%	12.0%	6.3%	8.0%	8.8%	-% of Col
Biochemistry	60	58	574	37	729	
	8.2%	8.0%	78.7%	5.1%	100.0%	
	2.2%	2.7%	10.5%	10.9%	6.8%	
Agricultural/ Food Chemistry	92	68	213	18	391	
	23.5%	17.4%	54.5%	4.6%	100.0%	
	3.4%	3.2%	3.9%	5.3%	3.7%	
Analytical Chemistry	721	379	686	37	1,823	
	39.6%	20.8%	37.6%	2.0%	100.0%	
	26.5%	17.9%	12.6%	10.9%	17.1%	
Environmental Chemistry	204	146	197	17	564	
	36.2%	25.9%	34.9%	3.0%	100.0%	
	7.5%	6.9%	3.6%	5.0%	5.3%	
Organic Chemistry	244	222	989	43	1,498	
	16.3%	14.8%	66.0%	2.9%	100.0%	
	9.0%	10.5%	18.1%	12.7%	14.1%	
Inorganic Chemistry	77	104	417	20	618	
	12.5%	16.8%	67.5%	3.2%	100.0%	
	2.8%	4.9%	7.6%	5.9%	5.8%	
Pharmaceutical/ Medicinal/Clinical Chemistry	185	135	404	27	751	
	24.6%	18.0%	53.8%	3.6%	100.0%	
	6.8%	6.4%	7.4%	8.0%	7.1%	
Physical Chemistry	56	56	521	32	665	
	8.4%	8.4%	78.3%	4.8%	100.0%	
	2.1%	2.6%	9.5%	9.5%	6.2%	
Theoretical Chemistry	3	5	47	3	58	
	5.2%	8.6%	81.0%	5.2%	100.0%	
	0.1%	0.2%	0.9%	0.9%	0.5%	
Polymers/ Macromolecular Chemistry	267	211	501	23	1,002	
	26.6%	21.1%	50.0%	2.3%	100.0%	
	9.8%	10.0%	9.2%	6.8%	9.4%	
Other Chemical	241	198	229	19	687	
	35.1%	28.8%	33.3%	2.8%	100.0%	
	8.9%	9.3%	4.2%	5.6%	6.5%	
Non-Chemical	239	255	304	27	825	
	29.0%	30.9%	36.8%	3.3%	100.0%	
	8.8%	12.0%	5.6%	8.0%	7.8%	
No Response	23	29	37	8	97	
	23.7%	29.9%	38.1%	8.2%	100.0%	
	0.8%	1.4%	0.7%	2.4%	0.9%	
TOTAL	2,720	2,120	5,466	338	10,644	
	25.6%	19.9%	51.4%	3.2%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.4.0

RESPONDENTS by RACE/ETHNICITY AND HIGHEST DEGREE
1984 Survey of ACS Members

	HIGHEST DEGREE					
RACE/ETHNICITY	Bachelors	Masters	Doctorate	No Response	TOTAL	
White	2,582	1,966	4,959	294	9,801	-Count
	26.3%	20.1%	50.6%	3.0%	100.0%	-% of Row
	94.9%	92.7%	90.7%	87.0%	92.1%	-% of Col
Black	32	17	38	3	90	
	35.6%	18.9%	42.2%	3.3%	100.0%	
	1.2%	0.8%	0.7%	0.9%	0.8%	
American Indian	2	2	8	0	12	
	16.7%	16.7%	66.7%	0.0%	100.0%	
	0.1%	0.1%	0.1%	0.0%	0.1%	
Asian/Pacific Islander	60	88	365	38	551	
	10.9%	16.0%	66.2%	6.9%	100.0%	
	2.2%	4.2%	6.7%	11.2%	5.2%	
Hispanic	24	26	36	0	86	
	27.9%	30.2%	41.9%	0.0%	100.0%	
	0.9%	1.2%	0.7%	0.0%	0.8%	
Other	8	5	19	0	32	
	25.0%	15.6%	59.4%	0.0%	100.0%	
	0.3%	0.2%	0.3%	0.0%	0.3%	
No Response	12	16	41	3	72	
	16.7%	22.2%	56.9%	4.2%	100.0%	
	0.4%	0.8%	0.8%	0.9%	0.7%	
TOTAL	2,720	2,120	5,466	338	10,644	
	25.6%	19.9%	51.4%	3.2%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.5.0

RESPONDENTS by RACE/ETHNICITY AND SEX
1984 Survey of ACS Members

RACE/ETHNICITY	SEX				
	Men	Women	No Response	TOTAL	
White	8,186	1,289	326	9,801	-Count
	83.5%	13.2%	3.3%	100.0%	-% of Row
	92.5%	89.7%	90.1%	92.1%	-% of Col
Black	64	22	4	90	
	71.1%	24.4%	4.4%	100.0%	
	0.7%	1.5%	1.1%	0.8%	
American Indian	11	1	0	12	
	91.7%	8.3%	0.0%	100.0%	
	0.1%	0.1%	0.0%	0.1%	
Asian/Pacific Islander	443	89	19	551	
	80.4%	16.2%	3.4%	100.0%	
	5.0%	6.2%	5.2%	5.2%	
Hispanic	54	27	5	86	
	62.8%	31.4%	5.8%	100.0%	
	0.6%	1.9%	1.4%	0.8%	
Other	27	5	0	32	
	84.4%	15.6%	0.0%	100.0%	
	0.3%	0.3%	0.0%	0.3%	
No Response	60	4	8	72	
	83.3%	5.6%	11.1%	100.0%	
	0.7%	0.3%	2.2%	0.7%	
TOTAL	8,845	1,437	362	10,644	
	83.1%	13.5%	3.4%	100.0%	
	100.0%	100.0%	100.0%	100.0%	

Table 10.6.0

RESPONDENTS by RACE/ETHNICITY and CITIZENSHIP
1984 Survey of ACS Members

RACE/ETHNICITY	CITIZENSHIP: U.S. Citizen	Permanent Resident	Other	No Response	TOTAL	
White	9,612	150	31	8	9,801	-Count
	98.1%	1.5%	0.3%	0.1%	100.0%	-% of Row
	93.7%	48.4%	44.9%	66.7%	92.1%	-% of Col
Black	77	11	2	0	90	
	85.6%	12.2%	2.2%	0.0%	100.0%	
	0.8%	3.5%	2.9%	0.0%	0.8%	
American Indian	12	0	0	0	12	
	100.0%	0.0%	0.0%	0.0%	100.0%	
	0.1%	0.0%	0.0%	0.0%	0.1%	
Asian/Pacific Islander	392	131	28	0	551	
	71.1%	23.8%	5.1%	0.0%	100.0%	
	3.8%	42.3%	40.6%	0.0%	5.2%	
Hispanic	70	13	3	0	86	
	81.4%	15.1%	3.5%	0.0%	100.0%	
	0.7%	4.2%	4.3%	0.0%	0.8%	
Other	27	3	2	0	32	
	84.4%	9.4%	6.3%	0.0%	100.0%	
	0.3%	1.0%	2.9%	0.0%	0.3%	
No Response	63	2	3	4	72	
	87.5%	2.8%	4.2%	5.6%	100.0%	
	0.6%	0.6%	4.3%	33.3%	0.7%	
TOTAL	10,253	310	69	12	10,644	
	96.3%	2.9%	0.6%	0.1%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.7.0

RESPONDENTS by SELECTED ACS LOCAL SECTIONS and WORK SPECIALTY
1984 Survey of ACS Members

LOCAL SECTIONS	SPECIALTY															
	Chem Eng	Biochem	Agric/Food Chem	Analytical	Environmental	Organic	Inorganic	Pharm/Med/Clin	Physical	Theoretical	Polymer/Macro	Other	Non-Chem	No Response	TOTAL	
Southern California	49	35	11	63	31	54	30	31	30	3	39	28	43	6	453	-Count
	10.8%	7.7%	2.4%	13.9%	6.8%	11.9%	6.6%	6.8%	6.6%	0.7%	8.6%	6.2%	9.5%	1.3%	100.0%	-% of Row
	5.2%	4.8%	2.8%	3.5%	5.5%	3.6%	4.9%	4.1%	4.5%	5.2%	3.9%	4.1%	5.2%	6.2%	4.3%	-% of Col
California	44	35	20	93	30	68	19	33	46	3	30	29	45	4	499	
	8.8%	7.0%	4.0%	18.6%	6.0%	13.6%	3.8%	6.6%	9.2%	0.6%	6.0%	5.8%	9.0%	0.8%	100.0%	
	4.7%	4.8%	5.1%	5.1%	5.3%	4.5%	3.1%	4.4%	6.9%	5.2%	3.0%	4.2%	5.5%	4.1%	4.7%	
Chicago	50	41	20	98	30	83	26	54	33	1	45	46	49	6	582	
	8.6%	7.0%	3.4%	16.8%	5.2%	14.3%	4.5%	9.3%	5.7%	0.2%	7.7%	7.9%	8.4%	1.0%	100.0%	
	5.3%	5.6%	5.1%	5.4%	5.3%	5.5%	4.2%	7.2%	5.0%	1.7%	4.5%	6.7%	5.9%	6.2%	5.5%	
Cleveland and Akron	32	8	7	54	7	32	20	7	13	1	69	24	9	3	286	
	11.2%	2.8%	2.4%	18.9%	2.4%	11.2%	7.0%	2.4%	4.5%	0.3%	24.1%	8.4%	3.1%	1.0%	100.0%	
	3.4%	1.1%	1.8%	3.0%	1.2%	2.1%	3.2%	0.9%	2.0%	1.7%	6.9%	3.5%	1.1%	3.1%	2.7%	
Delaware	27	13	10	37	4	28	10	18	10	3	56	16	30	1	263	
	10.3%	4.9%	3.8%	14.1%	1.5%	10.6%	3.8%	6.8%	3.8%	1.1%	21.3%	6.1%	11.4%	0.4%	100.0%	
	2.9%	1.8%	2.6%	2.0%	0.7%	1.9%	1.6%	2.4%	1.5%	5.2%	5.6%	2.3%	3.6%	1.0%	2.5%	
New York	55	68	22	70	24	102	34	65	41	3	45	33	47	3	612	
	9.0%	11.1%	3.6%	11.4%	3.9%	16.7%	5.6%	10.6%	6.7%	0.5%	7.4%	5.4%	7.7%	0.5%	100.0%	
	5.9%	9.3%	5.6%	3.8%	4.3%	6.8%	5.5%	8.7%	6.2%	5.2%	4.5%	4.8%	5.7%	3.1%	5.7%	
North Jersey	67	19	23	97	15	118	31	112	50	2	94	45	46	10	729	
	9.2%	2.6%	3.2%	13.3%	2.1%	16.2%	4.3%	15.4%	6.9%	0.3%	12.9%	6.2%	6.3%	1.4%	100.0%	
	7.2%	2.6%	5.9%	5.3%	2.7%	7.9%	5.0%	14.9%	7.5%	3.4%	9.4%	6.6%	5.6%	10.3%	6.8%	
Northeastern	44	48	7	74	21	73	25	26	34	2	56	33	44	8	495	
	8.9%	9.7%	1.4%	14.9%	4.2%	14.7%	5.1%	5.3%	6.9%	0.4%	11.3%	6.7%	8.9%	1.6%	100.0%	
	4.7%	6.6%	1.8%	4.1%	3.7%	4.9%	4.0%	3.5%	5.1%	3.4%	5.6%	4.8%	5.3%	8.2%	4.7%	
Philadelphia	29	33	16	72	21	52	11	64	19	0	53	17	26	2	415	
	7.0%	8.0%	3.9%	17.3%	5.1%	12.5%	2.7%	15.4%	4.6%	0.0%	12.8%	4.1%	6.3%	0.5%	100.0%	
	3.1%	4.5%	4.1%	3.9%	3.7%	3.5%	1.8%	8.5%	2.9%	0.0%	5.3%	2.5%	3.2%	2.1%	3.9%	
Pittsburgh	26	4	1	32	13	20	8	1	21	0	28	11	19	1	185	
	14.1%	2.2%	0.5%	17.3%	7.0%	10.8%	4.3%	0.5%	11.4%	0.0%	15.1%	5.9%	10.3%	0.5%	100.0%	
	2.8%	0.5%	0.3%	1.8%	2.3%	1.3%	1.3%	0.1%	3.2%	0.0%	2.8%	1.6%	2.3%	1.0%	1.7%	
Southeast Texas	55	22	6	67	17	52	14	11	17	4	28	30	23	2	348	
	15.8%	6.3%	1.7%	19.3%	4.9%	14.9%	4.0%	3.2%	4.9%	1.1%	8.0%	8.6%	6.6%	0.6%	100.0%	
	5.9%	3.0%	1.5%	3.7%	3.0%	3.5%	2.3%	1.5%	2.6%	6.9%	2.8%	4.4%	2.8%	2.1%	3.3%	
Washington, D.C.	23	60	12	65	32	33	18	27	25	2	21	30	56	3	407	
	5.7%	14.7%	2.9%	16.0%	7.9%	8.1%	4.4%	6.6%	6.1%	0.5%	5.2%	7.4%	13.8%	0.7%	100.0%	
	2.5%	8.2%	3.1%	3.6%	5.7%	2.2%	2.9%	3.6%	3.8%	3.4%	2.1%	4.4%	6.8%	3.1%	3.8%	
None of the Above	400	320	219	954	308	743	362	277	312	31	418	329	364	42	5,079	
	7.9%	6.3%	4.3%	18.8%	6.1%	14.6%	7.1%	5.5%	6.1%	0.6%	8.2%	6.5%	7.2%	0.8%	100.0%	
	42.7%	43.9%	56.0%	52.3%	54.6%	49.6%	58.6%	36.9%	46.9%	53.4%	41.7%	47.9%	44.1%	43.3%	47.7%	
No Response	35	23	17	47	11	40	10	25	14	3	20	16	24	6	291	
	12.0%	7.9%	5.8%	16.2%	3.8%	13.7%	3.4%	8.6%	4.8%	1.0%	6.9%	5.5%	8.2%	2.1%	100.0%	
	3.7%	3.2%	4.3%	2.6%	2.0%	2.7%	1.6%	3.3%	2.1%	5.2%	2.0%	2.3%	2.9%	6.2%	2.7%	
TOTAL	936	729	391	1,823	564	1,498	618	751	665	58	1,002	687	825	97	10,644	
	8.8%	6.8%	3.7%	17.1%	5.3%	14.1%	5.8%	7.1%	6.2%	0.5%	9.4%	6.5%	7.8%	0.9%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.8.0

RESPONDENTS by SELECTED ACS LOCAL SECTIONS and EMPLOYMENT STATUS
1984 Survey of ACS Members

LOCAL SECTION	EMPLOYMENT STATUS: Post-doc	Employed Full-time	Unemp. Seeking	Unemp. Not Seek.	Employed Part-time	No Response	TOTAL	
Southern California	17	396	12	7	14	7	453	-Count
	3.8%	87.4%	2.6%	1.5%	3.1%	1.5%	100.0%	-% of Row
	6.5%	4.1%	6.1%	6.7%	7.3%	5.4%	4.3%	-% of Col
California	20	441	8	9	11	10	499	
	4.0%	88.4%	1.6%	1.8%	2.2%	2.0%	100.0%	
	7.6%	4.5%	4.1%	8.7%	5.7%	7.8%	4.7%	
Chicago	14	536	12	4	11	5	582	
	2.4%	92.1%	2.1%	0.7%	1.9%	0.9%	100.0%	
	5.3%	5.5%	6.1%	3.8%	5.7%	3.9%	5.5%	
Cleveland and Akron	2	267	8	2	7	0	286	
	0.7%	93.4%	2.8%	0.7%	2.4%	0.0%	100.0%	
	0.8%	2.7%	4.1%	1.9%	3.6%	0.0%	2.7%	
Delaware	1	251	3	2	3	3	263	
	0.4%	95.4%	1.1%	0.8%	1.1%	1.1%	100.0%	
	0.4%	2.6%	1.5%	1.9%	1.6%	2.3%	2.5%	
New York	21	556	9	5	11	10	612	
	3.4%	90.8%	1.5%	0.8%	1.8%	1.6%	100.0%	
	8.0%	5.7%	4.6%	4.8%	5.7%	7.8%	5.7%	
North Jersey	11	678	21	4	8	7	729	
	1.5%	93.0%	2.9%	0.5%	1.1%	1.0%	100.0%	
	4.2%	6.9%	10.7%	3.8%	4.1%	5.4%	6.8%	
Northeastern	26	434	10	6	14	5	495	
	5.3%	87.7%	2.0%	1.2%	2.8%	1.0%	100.0%	
	9.9%	4.4%	5.1%	5.8%	7.3%	3.9%	4.7%	
Philadelphia	9	383	6	6	7	4	415	
	2.2%	92.3%	1.4%	1.4%	1.7%	1.0%	100.0%	
	3.4%	3.9%	3.0%	5.8%	3.6%	3.1%	3.9%	
Pittsburgh	3	170	7	1	3	1	185	
	1.6%	91.9%	3.8%	0.5%	1.6%	0.5%	100.0%	
	1.1%	1.7%	3.6%	1.0%	1.6%	0.8%	1.7%	
Southeast Texas	9	314	10	3	8	4	348	
	2.6%	90.2%	2.9%	0.9%	2.3%	1.1%	100.0%	
	3.4%	3.2%	5.1%	2.9%	4.1%	3.1%	3.3%	
Washington, D.C.	19	362	6	6	9	5	407	
	4.7%	88.9%	1.5%	1.5%	2.2%	1.2%	100.0%	
	7.3%	3.7%	3.0%	5.8%	4.7%	3.9%	3.8%	
Other	97	4,720	76	46	82	58	5,079	
	1.9%	92.9%	1.5%	0.9%	1.6%	1.1%	100.0%	
	37.0%	48.4%	38.6%	44.2%	42.5%	45.0%	47.7%	
No Response	13	251	9	3	5	10	291	
	4.5%	86.3%	3.1%	1.0%	1.7%	3.4%	100.0%	
	5.0%	2.6%	4.6%	2.9%	2.6%	7.8%	2.7%	
TOTAL	262	9,759	197	104	193	129	10,644	
	2.5%	91.7%	1.9%	1.0%	1.8%	1.2%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.9.0

RESPONDENTS by SELECTED ACS LOCAL SECTIONS and SEX
1984 Survey of ACS Members

LOCAL SECTION	SEX Men	Women	No Response	TOTAL	
Southern California	380	59	14	453	-Count
	83.9%	13.0%	3.1%	100.0%	-% of Row
	4.3%	4.1%	3.9%	4.3%	-% of Col
California	411	76	12	499	
	82.4%	15.2%	2.4%	100.0%	
	4.6%	5.3%	3.3%	4.7%	
Chicago	484	78	20	582	
	83.2%	13.4%	3.4%	100.0%	
	5.5%	5.4%	5.5%	5.5%	
Cleveland and Akron	237	39	10	2..	
	82.9%	13.6%	3.5%	100.0%	
	2.7%	2.7%	2.8%	2.7%	
Delaware	218	28	17	263	
	82.9%	10.6%	6.5%	100.0%	
	2.5%	1.9%	4.7%	2.5%	
New York	492	85	35	612	
	80.4%	13.9%	5.7%	100.0%	
	5.6%	5.9%	9.7%	5.7%	
North Jersey	606	90	33	729	
	83.1%	12.3%	4.5%	100.0%	
	6.9%	6.3%	9.1%	6.8%	
Northeastern	398	87	10	495	
	80.4%	17.6%	2.0%	100.0%	
	4.5%	6.1%	2.8%	4.7%	
Philadelphia	332	67	16	415	
	80.0%	16.1%	3.9%	100.0%	
	3.8%	4.7%	4.4%	3.9%	
Pittsburgh	151	29	5	185	
	81.6%	15.7%	2.7%	100.0%	
	1.7%	2.0%	1.4%	1.7%	
Southeast Texas	287	51	10	348	
	82.5%	14.7%	2.9%	100.0%	
	3.2%	3.5%	2.8%	3.3%	
Washington, D.C.	304	88	15	407	
	74.7%	21.6%	3.7%	100.0%	
	3.4%	6.1%	4.1%	3.8%	
Other	4,314	611	154	5,079	
	84.9%	12.0%	3.0%	100.0%	
	48.8%	42.5%	42.5%	47.7%	
No Response	231	49	11	291	
	79.4%	16.8%	3.8%	100.0%	
	2.6%	3.4%	3.0%	2.7%	
TOTAL	8,845	1,437	362	10,644	
	83.1%	13.5%	3.4%	100.0%	
	100.0%	100.0%	100.0%	100.0%	

Table 10.10.0

RESPONDENTS by SELECTED ACS LOCAL SECTIONS and AGE
1984 Survey of ACS Members

LOCAL SECTION	AGE LEVEL 20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	>=70	No Respo	TOTAL	
Southern California	11	58	69	53	52	47	36	37	45	13	0	32	453	-Count
	2.4%	12.8%	15.2%	11.7%	11.5%	10.4%	7.9%	8.2%	9.9%	2.9%	0.0%	7.1%	100.0%	-% of Row
	5.0%	5.0%	4.4%	3.6%	3.7%	4.3%	3.4%	3.7%	5.9%	6.4%	0.0%	4.7%	4.3%	-% of Col
California	6	67	85	86	65	47	48	32	30	10	1	22	499	
	1.2%	13.4%	17.0%	17.2%	13.0%	9.4%	9.6%	6.4%	6.0%	2.0%	0.2%	4.4%	100.0%	
	2.7%	5.8%	5.4%	5.8%	4.6%	4.3%	4.6%	3.2%	4.0%	4.9%	14.3%	3.2%	4.7%	
Chicago	20	77	98	68	82	46	35	55	37	22	0	42	582	
	3.4%	13.2%	16.8%	11.7%	14.1%	7.9%	6.0%	9.5%	6.4%	3.8%	0.0%	7.2%	100.0%	
	9.1%	6.6%	6.2%	4.6%	5.8%	4.3%	3.3%	5.5%	4.9%	10.8%	0.0%	6.2%	5.5%	
Cleveland and Akron	8	30	51	31	41	17	27	28	28	5	1	19	286	
	2.8%	10.5%	17.8%	10.8%	14.3%	5.9%	9.4%	9.8%	9.8%	1.7%	0.3%	6.6%	100.0%	
	3.6%	2.6%	3.2%	2.1%	2.9%	1.6%	2.6%	2.8%	3.7%	2.5%	14.3%	2.8%	2.7%	
Delaware	5	21	38	29	35	23	35	38	21	2	0	16	263	
	1.9%	8.0%	14.4%	11.0%	13.3%	8.7%	13.3%	14.4%	8.0%	0.8%	0.0%	6.1%	100.0%	
	2.3%	1.8%	2.4%	2.0%	2.5%	2.1%	3.3%	3.8%	2.8%	1.0%	0.0%	2.4%	2.5%	
New York	14	78	76	81	78	71	67	56	42	18	0	31	612	
	2.3%	12.7%	12.4%	13.2%	12.7%	11.6%	10.9%	9.2%	6.9%	2.9%	0.0%	5.1%	100.0%	
	6.4%	6.7%	4.8%	5.5%	5.5%	6.6%	6.4%	5.6%	5.5%	8.8%	0.0%	4.6%	5.7%	
North Jersey	17	76	110	89	102	59	80	71	59	15	0	51	729	
	2.3%	10.4%	15.1%	12.2%	14.0%	8.1%	11.0%	9.7%	8.1%	2.1%	0.0%	7.0%	100.0%	
	7.7%	6.5%	7.0%	6.0%	7.2%	5.5%	7.6%	7.1%	7.8%	7.4%	0.0%	7.5%	6.8%	
Northeastern	10	61	94	76	45	32	47	48	36	11	1	34	495	
	2.0%	12.3%	19.0%	15.4%	9.1%	6.5%	9.5%	9.7%	7.3%	2.2%	0.2%	6.9%	100.0%	
	4.5%	5.2%	6.0%	5.1%	3.2%	3.0%	4.5%	4.8%	4.7%	5.4%	14.3%	5.0%	4.7%	
Philadelphia	9	55	67	55	53	37	32	43	31	7	0	26	415	
	2.2%	13.3%	16.1%	13.3%	12.8%	8.9%	7.7%	10.4%	7.5%	1.7%	0.0%	6.3%	100.0%	
	4.1%	4.7%	4.3%	3.7%	3.8%	3.4%	3.0%	4.3%	4.1%	3.4%	0.0%	3.8%	3.9%	
Pittsburgh	5	21	28	30	18	21	19	24	10	3	0	6	185	
	2.7%	11.4%	15.1%	16.2%	9.7%	11.4%	10.3%	13.0%	5.4%	1.6%	0.0%	3.2%	100.0%	
	2.3%	1.8%	1.8%	2.0%	1.3%	1.9%	1.8%	2.4%	1.3%	1.5%	0.0%	0.9%	1.7%	
Southeast Texas	8	34	58	47	36	33	43	31	27	8	0	23	348	
	2.3%	9.8%	16.7%	13.5%	10.3%	9.5%	12.4%	8.9%	7.8%	2.3%	0.0%	6.6%	100.0%	
	3.6%	2.9%	3.7%	3.2%	2.5%	3.0%	4.1%	3.1%	3.6%	3.9%	0.0%	3.4%	3.3%	
Washington, D.C.	8	52	40	57	53	53	39	43	24	10	1	27	407	
	2.0%	12.8%	9.8%	14.0%	13.0%	13.0%	9.6%	10.6%	5.9%	2.5%	0.2%	6.6%	100.0%	
	3.6%	4.5%	2.5%	3.8%	3.8%	4.9%	3.7%	4.3%	3.2%	4.9%	14.3%	4.0%	3.8%	
Other	91	494	703	752	721	566	522	469	350	78	3	330	5,079	
	1.8%	9.7%	13.8%	14.8%	14.2%	11.1%	10.3%	9.2%	6.9%	1.5%	0.1%	6.5%	100.0%	
	41.4%	42.4%	44.7%	50.7%	51.1%	52.3%	49.5%	46.7%	46.2%	38.2%	42.9%	48.5%	47.7%	
No Response	8	41	57	29	31	30	24	30	18	2	0	21	291	
	2.7%	14.1%	19.6%	10.0%	10.7%	10.3%	8.2%	10.3%	6.2%	0.7%	0.0%	7.2%	100.0%	
	3.6%	3.5%	3.6%	2.0%	2.2%	2.8%	2.3%	3.0%	2.4%	1.0%	0.0%	3.1%	2.7%	
TOTAL	220	1,165	1,574	1,483	1,412	1,082	1,054	1,005	758	204	7	680	10,644	
	2.1%	10.9%	14.8%	13.9%	13.3%	10.2%	9.9%	9.4%	7.1%	1.9%	0.1%	6.4%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 10.11.0

RESPONDENTS by SELECTED ACS LOCAL SECTIONS and HIGHEST DEGREE
1984 Survey of ACS Members

LOCAL SECTION	HIGHEST DEGREE Bachelors	Masters	Doctorate	No Response	TOTAL	
Southern California	127	97	223	6	453	-Count
	28.0%	21.4%	49.2%	1.3%	100.0%	-% of Row
	4.7%	4.6%	4.1%	1.8%	4.3%	-% of Col
California	154	93	244	8	499	
	30.9%	18.6%	48.9%	1.6%	100.0%	
	5.7%	4.4%	4.5%	2.4%	4.7%	
Chicago	179	120	274	9	582	
	30.8%	20.6%	47.1%	1.5%	100.0%	
	6.6%	5.7%	5.0%	2.7%	5.5%	
Cleveland and Akron	90	70	113	13	286	
	31.5%	24.5%	39.5%	4.5%	100.0%	
	3.3%	3.3%	2.1%	3.8%	2.7%	
Delaware	45	31	177	10	263	
	17.1%	11.8%	67.3%	3.8%	100.0%	
	1.7%	1.5%	3.2%	3.0%	2.5%	
New York	132	137	325	18	612	
	21.6%	22.4%	53.1%	2.9%	100.0%	
	4.9%	6.5%	5.9%	5.3%	5.7%	
North Jersey	157	170	367	35	729	
	21.5%	23.3%	50.3%	4.8%	100.0%	
	5.8%	8.0%	6.7%	10.4%	6.8%	
Northeastern	133	109	235	18	495	
	26.9%	22.0%	47.5%	3.6%	100.0%	
	4.9%	5.1%	4.3%	5.3%	4.7%	
Philadelphia	112	82	205	16	415	
	27.0%	19.8%	49.4%	3.9%	100.0%	
	4.1%	3.9%	3.8%	4.7%	3.9%	
Pittsburgh	52	39	91	3	185	
	28.1%	21.1%	49.2%	1.6%	100.0%	
	1.9%	1.8%	1.7%	0.9%	1.7%	
Southeast Texas	99	92	153	4	348	
	28.4%	26.4%	44.0%	1.1%	100.0%	
	3.6%	4.3%	2.8%	1.2%	3.3%	
Washington, D.C.	80	78	239	10	407	
	19.7%	19.2%	58.7%	2.5%	100.0%	
	2.9%	3.7%	4.4%	3.0%	3.8%	
Other	1,263	942	2,699	175	5,079	
	24.9%	18.5%	53.1%	3.4%	100.0%	
	46.4%	44.4%	49.4%	51.8%	47.7%	
No Response	97	60	121	13	291	
	33.3%	20.6%	41.6%	4.5%	100.0%	
	3.6%	2.8%	2.2%	3.8%	2.7%	
TOTAL	2,720	2,120	5,466	338	10,644	
	25.6%	19.9%	51.4%	3.2%	100.0%	
	100.0%	100.0%	100.0%	100.0%	100.0%	

Table 11.1.0

POSTDOCTORAL RESPONDENTS by ACADEMIC EMPLOYER and RACE/ETHNICITY
1984 Survey of ACS Members

	RACE/ETHNICITY							
SCHOOL	White	Black	American Indian	Asian/ Pacific	Hispanic	Other	No Response	TOTAL
Private Doctorate	60	2	0	17	2	2	1	84 -Count
	71.4%	2.4%	0.0%	20.2%	2.4%	2.4%	1.2%	100.0% -% of Row
	29.9%	66.7%	***.*%	38.6%	28.6%	66.7%	25.0%	32.1% -% of Col
Private Masters	1	0	0	1	0	0	0	2
	50.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	100.0%
	0.5%	0.0%	***.*%	2.3%	0.0%	0.0%	0.0%	0.8%
Private Bachelors	1	0	0	1	0	0	0	2
	50.0%	0.0%	0.0%	50.0%	0.0%	0.0%	0.0%	100.0%
	0.5%	0.0%	***.*%	2.3%	0.0%	0.0%	0.0%	0.8%
Private Associate	0	0	0	0	0	0	0	0
	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%
	0.0%	0.0%	***.*%	0.0%	0.0%	0.0%	0.0%	0.0%
Public Doctorate	87	1	0	16	2	0	1	107
	81.3%	0.9%	0.0%	15.0%	1.9%	0.0%	0.9%	100.0%
	43.3%	33.3%	***.*%	36.4%	28.6%	0.0%	25.0%	40.8%
Public Masters	2	0	0	0	0	0	0	2
	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
	1.0%	0.0%	***.*%	0.0%	0.0%	0.0%	0.0%	0.8%
Public Bachelors	1	0	0	0	0	0	0	1
	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%
	0.5%	0.0%	***.*%	0.0%	0.0%	0.0%	0.0%	0.4%
Public Associate	0	0	0	1	0	0	0	1
	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	100.0%
	0.0%	0.0%	***.*%	2.3%	0.0%	0.0%	0.0%	0.4%
NO RESPONSE	49	0	0	8	3	1	2	63
	77.8%	0.0%	0.0%	12.7%	4.8%	1.6%	3.2%	100.0%
	24.4%	0.0%	***.*%	18.2%	42.9%	33.3%	50.0%	24.0%
TOTAL	201	3	0	44	7	3	4	262
	76.7%	1.1%	0.0%	16.8%	2.7%	1.1%	1.5%	100.0%
	100.0%	100.0%	***.*%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 11.2.0

POSTDOCTORAL RESPONDENTS by RACE/ETHNICITY and CITIZENSHIP
1984 Survey of ACS Members

	RACE/ETHNICITY								
CITIZENSHIP	White	Black	American Indian	Asian/ Pacific	Hispanic	Other	No Response	TOTAL	
U.S. Citizen	186	1	0	13	3	0	2	205	-Count
	90.7%	0.5%	0.0%	6.3%	1.5%	0.0%	1.0%	100.0%	-% of Row
	92.5%	33.3%	***.*%	29.5%	42.9%	0.0%	50.0%	78.2%	-% of Col
Permanent Resident	3	1	0	15	3	1	0	23	
	13.0%	4.3%	0.0%	65.2%	13.0%	4.3%	0.0%	100.0%	
	1.5%	33.3%	***.*%	34.1%	42.9%	33.3%	0.0%	8.8%	
Other	12	1	0	16	1	2	2	34	
	35.3%	2.9%	0.0%	47.1%	2.9%	5.9%	5.9%	100.0%	
	6.0%	33.3%	***.*%	36.4%	14.3%	66.7%	50.0%	13.0%	
No Response	0	0	0	0	0	0	0	0	
	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	***.*%	
	0.0%	0.0%	***.*%	0.0%	0.0%	0.0%	0.0%	0.0%	
TOTAL	201	3	0	44	7	3	4	262	
	76.7%	1.1%	0.0%	16.8%	2.7%	1.1%	1.5%	100.0%	
	100.0%	100.0%	***.*%	100.0%	100.0%	100.0%	100.0%	100.0%	

American Chemical Society

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone (202) 872-4600

February 17, 1984

Dear Member:

The American Chemical Society annually reports on the economic status of the chemical profession as reflected in a sample survey of its U.S. membership. You are one of about 22,000 randomly selected members being asked to participate in this survey, which is conducted under the aegis of the Council Committee on Economic Status.

At the request of the Committee on Professional Training this year's study will also gather information on the adequacy of undergraduate education as preparation for a career in chemistry. Please use the space on the questionnaire or additional sheets for comments you may wish to make on this very important topic.

Your participation will be an important service to your colleagues, because a high response rate is needed to assure accurate results. Please take a few minutes now, while the survey form is before you, to fill out the questionnaire and return it promptly in the enclosed business reply envelope. The procedure is confidential, and the information you provide will be combined with returns from other members so that only aggregated data will be available. A summary of the findings will appear in CHEMICAL AND ENGINEERING NEWS later this spring.

Thank you for your assistance.

Sincerely,

John K Crum

John K Crum

Encl.

TR/nb

1984 Comprehensive Salary and Employment Status Survey

A. Check the *one* specialty most closely related to your present (or most recent) principal employment:

- Chemical engineering . . . 1 ☐
- Biochemistry . . . 2 ☐
- Agricultural/food chemistry . . . 3 ☐
- Analytical chemistry . . . 4 ☐
- Environmental chemistry . . . 5 ☐
- Organic chemistry . . . 6 ☐
- Inorganic chemistry . . . 7 ☐
- Pharmaceutical/medicinal/ clinical chemistry . . . 8 ☐
- Physical chemistry . . . 9 ☐
- Theoretical chemistry . . . 10 ☐
- Polymer/macromolecular chemistry . . . 11 ☐
- Other chemical specialty . . . 12 ☐
- Non-chemical specialty . . . 13 ☐

B. Employment status (Please check the one response that most aptly describes your status on March 1, 1984.):

- Postdoctoral or other fellowship . . . 1 ☐
- Employed full-time . . . 2 ☐

→ Principal ANNUAL SALARY on March 1, 1984. (Do not include payments for second jobs, overtime work, summer teaching, or other supplemental employment.)

$_____ per year

- Not employed and seeking employment . . . 3 ☐
- Not employed and not seeking employment . . . 4 ☐
- Employed part-time . . . 5 ☐

C. If you were unemployed on March 1, how long had you been unemployed? _____ months

D. Sex: Male . . . 1 ☐ Female . . . 2 ☐

E. Age at last birthday before March 1, 1984: _____

F. Citizenship or visa status:

- U.S. citizen . . . 1 ☐
- U.S. permanent resident visa . . . 2 ☐
- Other . . . 3 ☐

G. Racial or ethnic group:

- White . . . 1 ☐
- Black (not of Hispanic origin) . . . 2 ☐
- American Indian or Alaskan Native . . . 3 ☐
- Asian or Pacific Islander (Chinese, Japanese, Korean, Filipino, Subcontinental Indian) . . . 4 ☐
- Hispanic (Mexican, Puerto Rican, Cuban, Spanish) . . . 5 ☐
- None of the above . . . 6 ☐

H. State of residence: _____

I. Please indicate your ACS local section:

- Southern California or Orange Co. . . . 1 ☐
- California or Santa Clara Valley . . . 2 ☐
- Chicago . . . 3 ☐
- Cleveland or Akron . . . 4 ☐
- Delaware . . . 5 ☐
- New York . . . 6 ☐
- North Jersey . . . 7 ☐
- Northeastern . . . 8 ☐
- Philadelphia . . . 9 ☐
- Pittsburgh . . . 10 ☐
- Southeastern Texas . . . 11 ☐
- Washington (DC) . . . 12 ☐
- None of the above . . . 13 ☐

J. How long have you worked for your current employer? _____ Years _____ Months

If your current (or most recent) principal employer is an academic institution, please skip to Question N.

K. Current (or most recent) principal employer:

Private Industry
- Manufacturing
  - Chemicals . . . 1 ☐
  - Coatings . . . 2 ☐
  - Food . . . 3 ☐
  - Metals, minerals . . . 4 ☐
  - Paper . . . 5 ☐
  - Petroleum . . . 6 ☐
  - Pharmaceuticals, personal care . . . 7 ☐
  - Rubber . . . 8 ☐
  - Other manufacturers . . . 9 ☐
- Non-manufacturing . . . 10 ☐

Government
- Federal (including military) . . . 11 ☐
- State or local . . . 12 ☐

Hospital, independent laboratory . . . 13 ☐
Other non-profit organization, other research institution . . . 14 ☐
Self-employed . . . 15 ☐
Other employment . . . 16 ☐

L. Work function (Please check only one.):

Research and Development
- Management or administration of R&D . . . . . 1 ☐
- Basic research . . . . . 2 ☐
- Applied research, Development, Design . . . . . 3 ☐
- General management, administration (other than research and development) . . . . . 4 ☐

Marketing, Sales, Purchasing, Technical Service, Economic evaluation . . . . . 5 ☐

- Production, Quality control . . . . . 6 ☐
- Forensic analysis, Other laboratory analysis . . . . . 7 ☐
- Writing, Editing, Abstracting, Library service . . . . . 8 ☐
- Data processing . . . . . 9 ☐
- Consulting . . . . . 10 ☐
- Other . . . . . 11 ☐

M. Number of subordinates reporting to you directly or through others (If none, please write "0".):

Professionals _____ Technicians_____ Other_____

Please skip to Question R.

N. Current or most recent principal academic employer:

Private college or university where the highest degree offered in chemical science is:
- Doctorate . . . . . 1 ☐
- Master's . . . . . 2 ☐
- Bachelor's . . . . . 3 ☐
- Associate . . . . . 4 ☐

Public college or university where the highest degree offered in chemical science is:
- Doctorate . . . . . 5 ☐
- Master's . . . . . 6 ☐
- Bachelor's . . . . . 7 ☐
- Associate . . . . . 8 ☐

High school or other school . . . . . 9 ☐

O. Rank:
- Professor . . . . . 1 ☐
- Associate professor . . . . . 2 ☐
- Assistant professor . . . . . 3 ☐
- Instructor or lecturer . . . . . 4 ☐
- Non-faculty . . . . . 5 ☐
- Unranked faculty member . . . . . 6 ☐

P. What percent of your principal academic position is devoted to:

Teaching _____ %
Research _____ %
Administration _____ %
Total = 100%

Q. My basic annual salary covers service for: 9–10 months . . . . . 1 ☐ 10–12 months . . . . . 2 ☐

R. For EACH degree you have earned, please indicate the FIELD and LEVEL of the degree by writing the YEAR you received it in the appropriate row and column below.

	LEVEL		
	Bachelor's	**Master's**	**Doctorate**
FIELD			
Chemistry	19 ____	19 ____	19 ____
Biochemistry	19 ____	19 ____	19 ____
Chemical Engineering	19 ____	19 ____	19 ____
Business	19 ____	19 ____	19 ____
Other	19 ____	19 ____	19 ____

Please describe the institution from which you received your bachelor's degree:

S1. A private institution in the U.S. . . . . 1 ☐
A public institution in the U.S. . . . . 2 ☐
An institution outside the U.S. . . . . 3 ☐

S2. Highest degree offered in Science and Engineering:
Bachelor's degree . . . . . 1 ☐ Master's degree . . . . . 2 ☐ Doctorate . . . . . 3 ☐

S3. Number of students:
- Less than 1,500 students . . . . . 1 ☐
- 1,500 to 5,000 students . . . . . 2 ☐
- 5,000 to 10,000 students . . . . . 3 ☐
- 10,000 to 20,000 students . . . . . 4 ☐
- more than 20,000 students . . . . . 5 ☐

T. Your approximate undergraduate grade point average was _____ Overall. Use: A = 4.0 B = 3.0 C = 2.0

GO TO NEXT PAGE

U. Did you complete an ACS certified bachelor's degree in chemistry?

Yes ☐ No ☐

Please evaluate current undergraduate education and the usefulness of your own undergraduate education. Areas of undergraduate study that ACS recommends for a bachelor's degree in chemistry are listed below. Keeping in mind that you may use a particular area of study both on and off the job and at various stages of your career in chemistry, please check the appropriate boxes.

In current undergraduate curricula, this area is
—**very important:** it should be required.
—**somewhat important:** it should be recommended.
—**not very important:** it doesn't need to be recommended.

How useful was your college work in each area?
—It has been **very useful.**
—It was **somewhat useful.**
—It was of **little use.**
—I **did no work** in this area.

	YOUR RECOMMENDATION			YOUR OWN UNDERGRADUATE WORK			
	Very Important	Somewhat Important	Not Very Important	Very Useful	Somewhat Useful	Little Use	Did No Work
Areas of Study Recommended by ACS							
Biology and Life Sciences	☐	☐	☐	☐	☐	☐	☐
Social and Behavioral Sciences	☐	☐	☐	☐	☐	☐	☐
Business and Management	☐	☐	☐	☐	☐	☐	☐
Foreign Languages	☐	☐	☐	☐	☐	☐	☐
Humanities and Fine Arts	☐	☐	☐	☐	☐	☐	☐
Writing and Public Speaking	☐	☐	☐	☐	☐	☐	☐
Chemistry Information Retrieval	☐	☐	☐	☐	☐	☐	☐
Computing	☐	☐	☐	☐	☐	☐	☐
Calculus, Linear Algebra, Statistics	☐	☐	☐	☐	☐	☐	☐
Laboratory Physics	☐	☐	☐	☐	☐	☐	☐
Chemistry							
Organic Chemistry	☐	☐	☐	☐	☐	☐	☐
Inorganic Chemistry	☐	☐	☐	☐	☐	☐	☐
Analytical Chemistry	☐	☐	☐	☐	☐	☐	☐
Physical Chemistry	☐	☐	☐	☐	☐	☐	☐
Biochemistry	☐	☐	☐	☐	☐	☐	☐
Polymer Chemistry	☐	☐	☐	☐	☐	☐	☐
Surface Chemistry and Catalysis	☐	☐	☐	☐	☐	☐	☐
Toxicology	☐	☐	☐	☐	☐	☐	☐
Geochemistry	☐	☐	☐	☐	☐	☐	☐
Health and Safety Chemistry	☐	☐	☐	☐	☐	☐	☐
Industrial Chemistry	☐	☐	☐	☐	☐	☐	☐
Chemical Engineering	☐	☐	☐	☐	☐	☐	☐

COMMENTS:

Please return within 10 days to the American Chemical Society, Statistical Services, 1155 16th Street, N.W., Washington, D.C. 20036

Thank You.

ACS STATISTICAL SERVICES PUBLICATIONS

Salaries: Statistical Services annually surveys the ACS membership, gathering detailed information on member chemists and chemical engineers. The reports based on this survey contain statistical tables describing the respondents' employment status, employers, work function and specialty, salaries, and geographic and other demographic characteristics.

Reports are available for each year from 1973 through the current year.

Starting Salaries: Statistical Services also surveys new graduates in chemistry and chemical engineering each summer, and publishes reports detailing the graduates' employment status, post-graduation plans, starting salaries, and other employment and demographic characteristics.

Reports are available for each year from 1975 through the current year.

Professionals in Chemistry: The Professionals in Chemistry series compiles information concerning chemists and chemical engineers from ACS, government, and private industry sources. It details information on demography, employment, salaries, education, and supply and demand for the entire chemical profession.

Reports for each year from 1975 through 1978, and combined reports for 1979-1980, 1980-81, and 1981-82 are available.

Special Reports:

1975 Report of Chemists' Salaries and Employment Status Supplement: Economic Status of Women in the ACS.

Women Chemists 1980: A supplemental report on the ACS's 1980 Survey of Salaries and Employment.

For prices and ordering information, please call or write:

Distribution Office
American Chemical Society
1155 Sixteenth Street, N.W.
Washington, D.C. 20036

Phone: (202) 872-4363